FIGURE 3

LEGEND

Column headings from left to right are (A) 'Atom Number', (B) 'Atom Type', (C) 'Amino Acid', (D) 'Chain Identifier', (E) 'Amino Acid Number' (reference to SEQ ID NO: 3), (F) 'X Coordinate', (G) 'Y Coordinate', (H) 'Z Coordinate', (I) 'Occupancy' (OCC) and (I) 'B factor'.

A	В	C	D	Ε	F	G	H	I	J
1	N	ARG	Α	14	-78.499	25.732	64.898	1.00	51.08
2	CA	ARG		14	-77.682	24.936	63.934	1.00	
3	CB	ARG		14	-76.853	25.895	63.064		51.59
4	CG	ARG		14	-76.507	25.382	61.666		54.33
5	CD	ARG		14	-76.170	26.503	60.678		58.00
6	NE	ARG		14	-76.489	26.159	59.292		61.47
7	CZ	ARG		14	-76.158	26.909	58.245		62.24
8	NH1	ARG		14	-75.492	28.043	58.429		61.77
9	NH2	ARG		14	-76.486	26.525	57.016		62.51
10	C	ARG	Α	14	-76.763	23.943	64.655		49.68
11	0	ARG	Α	14	-75.871	23.360	64.038	1.00	49.98
12	N	LYS	Α	15	-76.986	23.740	65.952	1.00	47.84
13	CA	LYS	Α	15	-76.091	22.892	66.731	1.00	46.49
14	CB	LYS	Α	15	-75.983	23.350	68.181	1.00	46.98
15	CG	LYS	Α	15	-77.288	23.731	68.859	1.00	49.99
16	CD	LYS	Α	15	-77.002	24.390	70.224	1.00	
17	CE	LYS	Α	15	-78.085	25.406	70.605	1.00	55.57
18	NZ	LYS	Α	15	-77.642	26.378	71.671	1.00	57.35
19	C	LYS	Α	15	-76.358	21.398	66.670	1.00	44.72
20	0	LYS	Α	15	-77.487	20.943	66.476	1.00	44.71
21	N	THR	Α	16	-75.279	20.641	66.812	1.00	42.33
22	CA	THR	Α	16	-75.363	19.201	66.815	1.00	39.34
23	CB	THR	Α	16	-74.225	18.582	66.009	1.00	39.46
24	OG1	THR	Α	16	-72.972	18.975	66.565	1.00	38.25
25	CG2	THR	Α	16	-74.187	19.163	64.603	1.00	38.11
26	C	THR	Α	16	-75.295	18.761	68.251	1.00	37.67
27	0	THR	Α	16	-75.098	19.578	69.150	1.00	37.00
28	N	TYR	Α	17	-75.534	17.476	68.466	1.00	35.46
29	CA	TYR	Α	17	-75.439	16.896	69.785	1.00	33.88
30	CB	TYR	Α	17	-76.340	15.666	69.865	1.00	33.82
31	CG	TYR	Α	17	-76.311	14.944	71.179	1.00	32.28
32	CD1	TYR	Α	17	-77.203	15.265	72.191	1.00	32.55
33	CE1	TYR	Α	17	-77.170	14.603	73.411	1.00	32.32
34	CZ	TYR	Α	17	-76.248	13.588	73.600	1.00	31.27
35	OH	TYR	Α	17	-76.199	12.905	74.782	1.00	29.92
36	CE2	TYR	Α	17	-75.366	13.257	72.606	1.00	30.87
37	CD2	TYR	Α	17	-75.395	13.936	71.406	1.00	30.90
38	C	TYR	Α	17	-73.971	16.526	69.924	1.00	32.90
39	0	TYR	Α	17	-73.501	15.626	69.247	1.00	32.98
40	N	THR		18	-73.247	17.244	70.776	1.00	31.58
41	CA	THR		18	-71.792	17.060	70.901		30.40

FIGURE 3A

A	В	С	D	Е	F	G	H	I	J
42	CB	THR	А	18	-71.126	18.369	71.311	1.00	29.92
43	OG1	THR		18	-71.551		72.644	1.00	29.95
44	CG2	THR		18	-71.606		70.444	1.00	30.35
45	С	THR		18	-71.353		71.937	1.00	29.51
46	0	THR		18	-72.131		72.782	1.00	28.96
47	N	LEU		19	-70.064		71.895	1.00	29.18
48	CA	LEU	Α	19	-69.454	14.841	72.858	1.00	29.40
49	CB	LEU	Α	19	-67.958	14.681	72.570	1.00	29.30
50	CG	LEU	Α	19	-67.186	13.725	73.475	1.00	29.28
51	CD1	LEU	Α	19	-67.668	12.278	73.289	1.00	26.89
52	CD2	LEU	Α	19	-65.706	13.844	73.171	1.00	29.54
53	C	LEU	Α	19	-69.668		74.247	1.00	29.40
54	0	LEU	Α	19	-70.014	14.702	75.174	1.00	29.52
55	N	THR		20	-69.483		74.375	1.00	29.38
56	CA	THR	Α	20	-69.674		75.650	1.00	29.71
57	CB	THR	Α	20	-69.270	18.921	75.530	1.00	30.55
58	OG1	THR		20	-67.858		75.275	1.00	31.86
59	CG2	THR		20	-69.426		76.871	1.00	29.63
60	С	THR		20	-71.095		76.152	1.00	29.39
61	0	THR		20	-71.311		77.336	1.00	29.75
62	N	ASP		21	-72.070		75.255	1.00	29.23
63	CA	ASP		21	-73.467		75.640	1.00	28.50
64	CB	ASP		21	-74.381		74.420	1.00	28.92
65	CG	ASP		21	-74.390		73.824	1.00	30.30
66	OD1	ASP		21	-74.348		74.612	1.00	30.33
67	OD2	ASP		21	-74.419		72.588	1.00	31.62
68	С	ASP		21	-73.635		76.288	1.00	28.19
69	0	ASP		21	-74.255		77.363	1.00	27.07
70	N	TYR		22	-73.067		75.635	1.00	28.18
71	CA	TYR		22	-73.110		76.162	1.00	28.06
72	CB	TYR		22	-72.478		75.180	1.00	28.13
73 74	CG CD1	TYR		22 22	-72.316 -73.381		75.757 76.387	1.00	28.21 27.52
75	CE1	TYR		22	-73.231		76.941	1.00	31.17
76	CZ	TYR		22	-71.994		76.850	1.00	31.00
77	OH	TYR		22	-71.855		77.396	1.00	33.09
78	CE2	TYR		22	-70.920		76.231	1.00	27.37
79	CD2	TYR		22	-71.086		75.703	1.00	27.39
80	C	TYR		22	-72.400		77.507	1.00	28.37
81	ŏ	TYR		22	-72.966		78.504	1.00	28.20
82	N	LEU		23	-71.160		77.544	1.00	29.10
83	CA	LEU		23	-70.363		78.766	1.00	29.84
84	CB	LEU		23	-68.895		78.490	1.00	29.67
85	CG		A	23	-68.233		77.454	1.00	30.09
86	CD1	LEU		23	-66.745		77.442	1.00	27.93
87	CD2		A	23	-68.502		77.730	1.00	29.29
88	С	LEU	Α	23	-70.846		79.919	1.00	30.85
89	0	LEU	Α	23	-70.704	14.254	81.081	1.00	31.02
90	N	LYS	Α	24	-71.417	15.798	79.613	1.00	31.74
91	CA	LYS	Α	24	-71.909	16.658	80.669	1.00	33.11
92	CB	LYS	Α	24	-71.501	18.129	80.433	1.00	33.11

FIGURE 3B

A	В	С	D	Е		F		G	1	1	I	J
93	CG	LYS	Α	24		69.997	18	.373	80	.362	1.00	31.71
94	CD	LYS		24		69.297		.906		648	1.00	32.14
95	CE	LYS		24		67.820		.355		702	1.00	32.14
96	NZ	LYS	A	24		67.002		.666		769	1.00	29.53
97	C	LYS		24		73.426		.521		864	1.00	34.49
98	ō	LYS		24		73.998		.135		752	1.00	34.44
99	N	ASN		25		74.082		.701		048	1.00	36.12
100	CA	ASN		25		75.517		.506		.214	1.00	37.50
101	CB	ASN		25		75.813		.898		.583	1.00	38.04
102	CG	ASN	Α	25	_'	75.397	13	.437	81	.686	1.00	42.36
103	OD1	ASN		25		75.195	12	.919		793	1.00	46.50
104	ND2	ASN	Α	25		75.285	12	.753	80	.534	1.00	46.18
105	С	ASN		25		76.312		.808	80	.032	1.00	37.71
106	0	ASN	Α	25	_,	77.122	17	.187	80	870	1.00	37.63
107	N	THR	Α	26		76.066	17	.493	78	926	1.00	38.29
108	CA	THR	Α	26		76.761	18	.725	78	622	1.00	38.88
109	CB	THR	Α	26	_'	76.259	19	.227	77	.281	1.00	39.01
110	OG1	THR	Α	26	_'	74.854	19	.444	77	.377	1.00	39.58
111	CG2	THR	Α	26	_'	76.817	20	.607	76	955	1.00	39.02
112	С	THR	Α	26		78.271	18	.476	78	.551	1.00	39.19
113	0	THR	Α	26		79.066	19	.157	79	.198	1.00	39.04
114	N	TYR	Α	27		78.637	17	.482	77	.754	1.00	39.58
115	CA	TYR	Α	27	-:	80.017	17	.110	77	.518	1.00	39.93
116	CB	TYR	Α	27	-:	80.169		.771		.044	1.00	39.52
117	CG	TYR	Α	27		79.698	17	.921	75	.211	1.00	38.77
118	CD1	TYR	Α	27	-:	80.438	19	.087	75	.151	1.00	39.35
119	CE1	TYR		27	-:	80.006	20	.166		.431	1.00	39.27
120	CZ	TYR	Α	27		78.817	20	.093		.765	1.00	38.78
121	OH	TYR		27		78.400		.180		.049	1.00	38.94
122	CE2	TYR		27		78.051		.947		.817	1.00	38.83
123	CD2	TYR		27		78.488		.878		.549	1.00	38.20
124	С	TYR		27		80.398		.926		.368	1.00	40.73
125	0	TYR		27		80.207		.793		.969	1.00	41.03
126	N	ARG		28		80.940		.177		.546	1.00	42.07
127	CA	ARG		28		81.271		.065		.420	1.00	43.55
128	CB	ARG		28		81.423		.521		873	1.00	44.02
129	CG	ARG		28		80.996		.454		.878	1.00	47.22
130	CD	ARG		28		81.354		.734		.340	1.00	51.56
131	NE	ARG		28		82.668		.202		.699	1.00	55.65
132	CZ	ARG		28		83.559		.845		.448	1.00	57.92
133	NH1	ARG		28		83.291		.050		.930	1.00	58.60
134	NH2	ARG		28		84.725		.279		.715	1.00	60.08
135	C	ARG		28		82.534		.355		.951	1.00	43.77
136	0	ARG		28		83.352		.918		.221	1.00	44.23
137	N	LEU		29		82.669		.097		.338	1.00	43.66
138	CA	LEU		29		83.883		.376		.054	1.00	43.77
139	CB	LEU		29		83.602		.950		.602	1.00	43.85
140	CG	LEU		29		83.293		.758		.121	1.00	44.26
141	CD1	LEU	A	29		82.836		.324		.850	1.00	45.40
142	CD2	LEU		29		84.505		.088		.282	1.00	45.47
143	C	LEU	А	29	-:	84.578	12	.376	ΩŢ	.381	1.00	43.80

FIGURE 3C

A	В	C	D	E	F	G	H	I	J
144	0	LEU	Α	29	-83.983	12.028	82.397	1.00	43.27
145	N		Α	30	-85.831	12.804	81.393	1.00	43.83
146	CA	LYS	Α	30	-86.540	12.864	82.653	1.00	44.19
147	CB	LYS	Α	30	-87.558	13.999	82.623	1.00	44.45
148	CG	LYS	Α	30	-87.589	14.791	83.904	1.00	45.86
149	CD	LYS	Α	30	-87.585	16.278	83.631	1.00	48.33
150	CE	LYS	Α	30	-87.850	17.057	84.915	1.00	50.36
151	NZ	LYS	Α	30	-87.184	16.414	86.093	1.00	50.63
152	С	LYS	Α	30	-87.188	11.530	82.992	1.00	43.80
153	0	LYS	Α	30	-87.671	10.828	82.119	1.00	43.69
154	N	LEU	Α	31	-87.176	11.182	84.269	1.00	43.81
155	CA	LEU	Α	31	-87.756	9.930	84.734	1.00	43.79
156	CB	LEU	Α	31	-86.736	9.163	85.574	1.00	43.75
157	CG	LEU	Α	31	-85.603	8.328	84.969	1.00	44.56
158	CD1	LEU	Α	31	-84.873	9.055	83.846	1.00	43.44
159	CD2	LEU	Α	31	-84.628	7.930	86.096	1.00	44.48
160	C	LEU	Α	31	-88.977	10.156	85.617	1.00	43.68
161	0	LEU	Α	31	-89.333	11.277	85.963	1.00	43.78
162	N	TYR	Α	32	-89.615	9.065	85.996	1.00	43.53
163	CA	TYR	Α	32	-90.674	9.138	86.968	1.00	43.23
164	CB	TYR	Α	32	-92.052	9.303	86.338	1.00	43.05
165	CG	TYR	Α	32	-93.048	9.809	87.349	1.00	42.24
166	CD1	TYR	A	32	-93.511	8.981	88.365	1.00	40.80
167	CE1	TYR	A	32	-94.404	9.431	89.295	1.00	40.31
168	CZ	TYR	A	32	-94.844	10.741	89.243	1.00	41.67
169	OH	TYR	Α	32	-95.739	11.185	90.191	1.00	43.57
170	CE2	TYR	Α	32	-94.393	11.593	88.260	1.00	41.02
171	CD2	TYR	Α	32	-93.490	11.127	87.321	1.00	41.49
172	С	TYR	Α	32	-90.607	7.874	87.767	1.00	43.22
173	0	TYR	Α	32	-91.398	6.966	87.573	1.00	43.16
174	N	SER	Α	33	-89.646	7.823	88.671	1.00	43.72
175	CA	SER	Α	33	-89.442	6.642	89.486	1.00	44.29
176	CB	SER	Α	33	-87.971	6.494	89.860	1.00	44.28
177	OG	SER	Α	33	-87.829	5.415	90.769	1.00	45.94
178	C	SER	A	33	-90.255	6.707	90.749	1.00	44.40
179	0	SER	Α	33	-90.016	7.558	91.591	1.00	44.77
180	N	LEU	Α	34	-91.195	5.782	90.895	1.00	44.57
181	CA	LEU	Α	34	-92.057	5.761	92.058	1.00	44.62
182	CB	LEU	Α	34	-93.520	5.959	91.626	1.00	44.14
183	CG	LEU	Α	34	-94.125	4.942	90.643	1.00	43.66
184	CD1	LEU		34	-94.404	3.595	91.314	1.00	40.76
185	CD2	LEU	А	34	-95.392	5.481	89.957	1.00	41.85
186	C		А	34	-91.893	4.444	92.788	1.00	45.36
187	0	LEU	Α	34	-91.354	3.490	92.236	1.00	45.44
188	N	ARG		35	-92.332	4.398	94.038	1.00	46.33
189	CA	ARG		35	-92.342	3.152	94.780	1.00	48.23
190	CB	ARG		35	-91.397	3.171	95.983	1.00	48.19
191	CG		Α	35	-90.088	3.873	95.758	1.00	50.55
192	CD		Α	35	-89.158	3.812	96.952	1.00	52.14
193	NE	ARG		35	-87.815	4.235	96.585	1.00	54.13
194	CZ	ARG		35	-86.755	4.134	97.378	1.00	53.95

FIGURE 3D

A	В	С	D	Е	F	G	H	I	J
195	NH1	ARG	Δ	35	-86.886	3.625	98.600	1.00	51.85
196	NH2	ARG		35	-85.569	4.552	96.942	1.00	53.73
197	C	ARG		35	-93.743	3.011	95.297	1.00	48.75
198	Ö	ARG		35	-94.246	3.909	95.958	1.00	49.28
199	N	TRP		36	-94.381	1.891	95.009	1.00	49.62
200	CA	TRP	A	36	-95.722	1.688	95.504	1.00	50.47
201	CB	TRP		36	-96.409	0.550	94.751	1.00	50.15
202	CG		A	36	-96.845	0.918	93.357	1.00	49.57
203	CD1	TRP	A	36	-96.282	0.500	92.191	1.00	48.94
204	NE1		A	36	-96.956	1.033	91.120	1.00	48.90
205	CE2	TRP	A	36	-97.985	1.813	91.581	1.00	48.49
206	CD2	TRP		36	-97.945	1.765	92.987	1.00	48.80
207	CE3		A	36	-98.902	2.490	93.704	1.00	48.56
208	CZ3	TRP	A	36	-99.857	3.220	93.005	1.00	49.05
209	CH2		A	36	-99.867	3.246	91.607	1.00	47.62
210	CZ2	TRP	A	36	-98.940	2.553	90.879	1.00	48.27
211	C	TRP		36	-95.581	1.359	96.970	1.00	51.34
212	ŏ	TRP	A	36	-94.558	0.821	97.388	1.00	51.46
213	N	ILE	A	37	-96.598	1.685	97.757	1.00	52.47
214	CA		A	37	-96.559	1.421	99.191	1.00	53.41
215	CB	ILE	A	37	-96.449	2.737	99.958	1.00	53.42
216				37	-94.987	3.025	100.270	1.00	53.42
217	CG1 CD1		A	37	-94.196	3.466	99.076	1.00	54.40
218	CG2		A A	37	-97.246	2.685	101.244	1.00	54.45
219	C		A	37	-97.793	0.648	99.612	1.00	53.93
220	0		A	37	-97.812		100.617	1.00	53.82
221	N	SER		38	-98.833	0.793	98.814	1.00	54.88
222	CA			38	-100.072	0.793	99.078	1.00	55.80
223	CB	SER		38	-100.072	1.013	99.078	1.00	55.67
224	OG	SER		38	-100.863	2.357	99.413	1.00	56.45
225	C	SER		38	-100.650	-0.235	97.731	1.00	56.36
226	0	SER		38	-99.944	-0.233	96.726	1.00	56.35
227	N	ASP		39	-101.945	-0.488	97.696	1.00	57.13
228	CA	ASP	A	39	-101.945	-0.400	96.435	1.00	57.78
229	CB		A	39	-102.360	-1.766	96.627	1.00	58.12
230	CG	ASP	A	39	-103.718	-2.578	95.392	1.00	59.53
231	OD1			39	-105.111	-3.106	95.254	1.00	61.71
232	OD2		A A	39		-2.745			61.65
232	C C	ASP ASP	A	39	-103.127 -103.046	0.452	94.500 95.753	1.00	57.97
233	0			39		0.452	94.767	1.00	
	N		Α		-103.764			1.00	58.27
235 236	CA	HIS	Α	40	-102.660 -103.128	1.620 2.865	96.261 95.654	1.00	58.00 58.81
236									
	CB		Α	40	-104.625	3.072	95.920	1.00	59.47
238	CG ND1		A	40	-105.071	2.575	97.257	1.00	61.31
239	ND1		A	40	-106.098	1.666	97.409	1.00	62.92
240	CE1	HIS	Α	40	-106.264	1.405	98.694	1.00	63.69
241	NE2		A	40	-105.379	2.107	99.380	1.00	63.55
242	CD2		A	40	-104.618	2.845	98.504	1.00	62.40
243	C		A	40	-102.354	4.110	96.059	1.00	58.35
244	0		A	40	-102.744	5.229	95.720	1.00	58.06
245	N	GLU	А	41	-101.259	3.915	96.780	1.00	58.00

FIGURE 3E

A	В	С	D	E	F	G	H	I	J
246	CA	GLU	А	41	-100.409	5.027	97.167	1.00	57.73
247	CB	GLU		41	-100.372	5.162	98.690	1.00	57.77
248	CG	GLU	Α	41	-101.698	5.542	99.334	1.00	57.46
249	CD	GLU	Α	41	-101.505	6.168	100.703	1.00	56.70
250	OE1	GLU	Α	41	-101.106	5.438	101.644	1.00	56.35
251	OE2	GLU		41	-101.736	7.391	100.832	1.00	55.22
252	С	GLU		41	-99.002	4.787	96.645	1.00	57.49
253	0	GLU		41	-98.593	3.642	96.493	1.00	57.77
254	N	TYR		42	-98.256	5.849	96.370	1.00	57.25
255	CA	TYR		42	-96.869	5.669	95.954	1.00	57.17
256	CB	TYR		42	-96.776	5.319	94.471	1.00	56.71
257	CG	TYR		42	-97.027	6.456	93.510	1.00	54.55
258	CD1	TYR		42	-96.053	7.407	93.272	1.00	52.96
259 260	CE1 CZ	TYR		42 42	-96.254 -97.440	8.430 8.513	92.382 91.693	1.00	51.65 51.43
261	OH	TYR		42	-97.622	9.545	90.803	1.00	49.55
262	CE2	TYR		42	-98.427	7.572	91.897	1.00	52.02
263	CD2	TYR		42	-98.215	6.546	92.802	1.00	53.03
264	C	TYR		42	-95.948	6.837	96.294	1.00	57.82
265	ŏ	TYR		42	-96.333	8.003	96.191	1.00	57.89
266	N	LEU		43	-94.723	6.510	96.688	1.00	58.48
267	CA	LEU		43	-93.746	7.526	97.049	1.00	59.28
268	CB	LEU	Α	43	-92.773	6.996	98.103	1.00	59.23
269	CG	LEU	Α	43	-93.436	6.643	99.433	1.00	58.97
270	CD1	LEU	Α	43	-92.447	6.044	100.404	1.00	57.55
271	CD2	LEU		43	-94.111	7.874	100.016	1.00	58.52
272	С	LEU		43	-92.975	8.011	95.849	1.00	59.92
273	0	LEU		43	-92.592	7.230	94.989	1.00	60.06
274	N	TYR		44	-92.762	9.318	95.799	1.00	61.07
275	CA	TYR		44	-91.976	9.941	94.749	1.00	62.31
276	CB	TYR		44	-92.881	10.720	93.798	1.00	61.95
277	CG	TYR		44	-92.187	11.345	92.608	1.00	61.54
278	CD1	TYR		44	-91.690	10.561	91.569	1.00	61.21
279 280	CE1	TYR		44 44	-91.058 -90.923	11.136 12.508	90.474 90.414	1.00	60.70
281	CZ OH	TYR		44	-90.301	13.098	89.336	1.00	61.23
282	CE2	TYR		44	-91.411	13.303	91.433	1.00	60.86
283	CD2	TYR		44	-92.038	12.722	92.516	1.00	61.00
284	C	TYR		44	-91.030	10.867	95.492	1.00	63.51
285	Ö	TYR		44	-91.299	11.226	96.634	1.00	63.78
286	N	LYS		45	-89.916	11.232	94.873	1.00	65.00
287	CA	LYS		45	-88.948	12.098	95.532	1.00	66.61
288	CB	LYS	Α	45	-87.641	11.335	95.779	1.00	66.63
289	CG	LYS	Α	45	-86.657	12.048	96.701	1.00	67.24
290	CD	LYS	Α	45	-85.319	11.316	96.767	1.00	68.31
291	CE	LYS		45	-84.269	12.139	97.509	1.00	68.73
292	NZ	LYS	А	45	-84.810	12.690	98.791	1.00	69.48
293	C	LYS		45	-88.702	13.332	94.671	1.00	67.68
294	0		А	45	-88.234	13.207	93.540	1.00	67.83
295	N	GLN		46	-89.017	14.518	95.198	1.00	69.00
296	CA	GLN	Α	46	-88.868	15.752	94.415	1.00	70.27

FIGURE 3F

A	В	C	D	E	F	G	H	I	J
297	СВ	GLN	А	46	-90.210	16.495	94.254	1.00	70.38
298	CG	GLN		46	-90.189	17.523	93.118	1.00	71.49
299	CD	GLN		46	-91.574	18.038	92.716	1.00	73.94
300	OE1	GLN		46	-92.566	17.300	92.755	1.00	74.29
301	NE2	GLN		46	-91.637	19.308	92.313	1.00	74.28
302	C	GLN		46	-87.771	16.710	94.891	1.00	70.79
303	Ö	GLN		46	-88.012	17.595	95.719	1.00	70.73
304	N	GLU		47	-86.569	16.518	94.344	1.00	71.70
305		GLU		47	-85.413			1.00	
	CA					17.393	94.580		72.37
306	CB	GLU		47	-85.480	18.608	93.644	1.00	72.68
307	CG	GLU		47	-85.040	18.336	92.211	1.00	73.91
308	CD	GLU		47	-83.561	18.604	91.986	1.00	75.82
309	OE1	GLU		47	-83.116	19.761	92.179	1.00	76.43
310	OE2	GLU		47	-82.840	17.657	91.612	1.00	76.92
311	С	GLU		47	-85.240	17.869	96.019	1.00	72.44
312	0	GLU		47	-84.595	18.894	96.268	1.00	72.64
313	N	ASN		48	-85.801	17.116	96.959	1.00	72.46
314	CA	ASN		48	-85.737	17.471	98.368	1.00	72.28
315	CB	ASN		48	-86.404	18.833	98.599	1.00	72.52
316	CG	ASN		48	-85.409	19.943	98.933	1.00	73.27
317	OD1	ASN	A	48	-84.235	19.690	99.213	1.00	74.24
318	ND2	ASN	A	48	-85.890	21.185	98.919	1.00	73.24
319	C	ASN	Α	48	-86.443	16.444	99.243	1.00	72.00
320	0	ASN	Α	48	-85.861	15.902	100.186	1.00	72.38
321	N	ASN	Α	49	-87.695	16.158	98.902	1.00	71.24
322	CA	ASN	A	49	-88.567	15.415	99.796	1.00	70.45
323	CB	ASN	A	49	-89.521	16.417	100.442	1.00	70.52
324	CG	ASN	Α	49	-90.018	17.461	99.449	1.00	70.98
325	OD1	ASN	Α	49	-90.640	18.460	99.828	1.00	70.94
326	ND2	ASN	Α	49	-89.742	17.233	98.166	1.00	70.86
327	C	ASN	Α	49	-89.396	14.293	99.200	1.00	69.91
328	0	ASN	Α	49	-89.781	14.321	98.028	1.00	70.04
329	N	ILE	A	50	-89.701	13.316	100.042	1.00	69.04
330	CA	ILE	Α	50	-90.539	12.205	99.641	1.00	68.26
331	CB	ILE	А	50	-90.337	11.008	100.573	1.00	68.17
332	CG1	ILE	A	50	-88.957	10.390	100.357	1.00	68.29
333	CD1	ILE		50	-87.916	10.833	101.355	1.00	68.40
334	CG2		A	50	-91.408	9.974	100.328	1.00	68.21
335	С	ILE	A	50	-92.001	12.622	99.655	1.00	67.54
336	ō	ILE		50	-92.544	12.984	100.696	1.00	67.50
337	N	LEU		51	-92.628	12.586	98.488	1.00	66.76
338	CA	LEU		51	-94.043	12.899	98.366	1.00	65.98
339	CB	LEU		51	-94.323	13.580	97.024	1.00	66.02
340	CG	LEU		51	-94.640	15.082	97.012	1.00	65.96
341	CD1	LEU		51	-93.931	15.820	98.139	1.00	65.12
342	CD2	LEU	A	51	-94.322	15.711	95.652	1.00	65.83
343	CDZ	LEU		51	-94.859	11.621	98.471	1.00	65.39
344	o	LEU		51	-94.350	10.533	98.225	1.00	65.35
345	N	VAL		52	-96.119	11.748	98.869	1.00	64.69
346	CA	VAL		52	-97.026	10.608	98.869	1.00	63.91
347	CB	VAL		52	-97.772	10.450	100.184	1.00	64.07
34/	CD	VAL	rt.	J2	-31.112	10.400	100.164	1.00	04.0/

FIGURE 3G

A	В	С	D	Е	F	G	H	I	J
348	CG1	VAL	n	52	-97.047	11.166	101.304	1.00	64.22
349	CG2	VAL		52	-98.002	8.966	100.488	1.00	63.60
350	C	VAL		52	-98.082	10.913	97.839	1.00	63.33
351	ō	VAL		52	-98.626	12.013	97.823	1.00	63.43
352	N	PHE		53	-98.383	9.949	96.981	1.00	62.56
353	CA		A	53	-99.390	10.165	95.959	1.00	61.64
354	CB		A	53	-98.778	10.047	94.569	1.00	61.67
355	CG		A	53	-98.025	11.265	94.117	1.00	61.05
356	CD1	PHE	A	53	-96.751	11.523	94.586	1.00	61.29
357	CE1		Α	53	-96.053	12.634	94.151	1.00	61.02
358	CZ		A	53	-96.625	13.495	93.236	1.00	60.95
359	CE2		A	53	-97.892	13.244	92.756	1.00	60.57
360	CD2		A	53	-98.580	12.130	93.192	1.00	60.71
361	С	PHE	Α	53	-100.505	9.150	96.078	1.00	61.31
362	0		Α	53	-100.254	7.965	96.304	1.00	61.35
363	N	ASN	Α	54	-101.742	9.620	95.960	1.00	60.84
364	CA	ASN		54	-102.876	8.717	95.857	1.00	60.32
365	CB	ASN	Α	54	-104.179	9.395	96.288	1.00	60.41
366	CG	ASN	Α	54	-105.340	8.409	96.429	1.00	60.97
367	OD1	ASN	Α	54	-106.103	8.477	97.390	1.00	61.46
368	ND2	ASN	Α	54	-105.477	7.493	95.470	1.00	60.70
369	C	ASN	Α	54	-102.936	8.393	94.382	1.00	59.76
370	0	ASN		54	-102.896	9.295	93.543	1.00	59.60
371	N	ALA	Α	55	-103.004	7.115	94.047	1.00	59.38
372	CA	ALA	Α	55	-103.065	6.740	92.641	1.00	59.02
373	CB	ALA	Α	55	-102.952	5.237	92.488	1.00	59.06
374	C	ALA	Α	55	-104.322	7.276	91.937	1.00	58.71
375	0	ALA	Α	55	-104.242	7.767	90.816	1.00	58.09
376	N	GLU	Α	56	-105.473	7.195	92.598	1.00	58.94
377	CA	GLU	Α	56	-106.736	7.646	91.991	1.00	59.29
378	CB	GLU	Α	56	-107.930	7.354	92.906	1.00	59.17
379	CG	GLU	Α	56	-108.493	5.948	92.791	1.00	59.64
380	CD	GLU	Α	56	-109.508	5.794	91.670	1.00	59.62
381	OE1	GLU	Α	56	-109.458	6.558	90.681	1.00	59.64
382	OE2	GLU	Α	56	-110.371	4.904	91.782	1.00	59.77
383	C	GLU	Α	56	-106.787	9.115	91.563	1.00	59.42
384	0	GLU	Α	56	-107.172	9.421	90.434	1.00	59.29
385	N	TYR	Α	57	-106.388	10.023	92.448	1.00	59.76
386	CA	TYR	Α	57	-106.556	11.453	92.162	1.00	60.14
387	CB	TYR		57	-107.191	12.151	93.365	1.00	60.19
388	CG	TYR		57	-108.191	11.284	94.093	1.00	60.37
389	CD1	TYR	Α	57	-109.455	11.059	93.565	1.00	60.93
390	CE1	TYR	Α	57	-110.373	10.267	94.226	1.00	60.78
391	CZ	TYR		57	-110.030	9.676	95.425	1.00	60.79
392	OH	TYR		57	-110.941	8.877	96.072	1.00	60.43
393	CE2	TYR		57	-108.775	9.871	95.966	1.00	60.89
394	CD2	TYR		57	-107.865	10.677	95.299	1.00	60.70
395	С	TYR		57	-105.297	12.200	91.743	1.00	60.44
396	0	TYR		57	-105.382	13.286	91.170	1.00	60.16
397	N	GLY		58	-104.132	11.630	92.037	1.00	60.85
398	CA	GLY	Α	58	-102.881	12.281	91.700	1.00	61.42

FIGURE 3H

A	В	С	D	Е	F	G	H	I	J
399	С	GLY	70	58	-102.555	13.377	92.690	1.00	61.93
400	0	GLY	A	58	-101.717	14.243	92.431	1.00	61.57
401	N	ASN		59	-103.239	13.348	93.829	1.00	62.68
402	CA		A	59	-102.990	14.341	94.863	1.00	63.62
403	CB	ASN		59	-102.330	14.646	95.659	1.00	63.34
404	CG	ASN		59	-104.239	13.429	96.334	1.00	63.30
404	OD1		A	59	-104.818	12.395	95.695	1.00	63.69
406	ND2	ASN		59	-105.018	13.531	97.637	1.00	62.78
407	C		A	59	-101.864	13.873	95.780	1.00	64.23
408	ŏ	ASN		59	-101.847	12.729	96.236	1.00	64.24
409	N				-101.847	14.764		1.00	65.01
		SER		60	-99.784		96.038	1.00	
410 411	CA CB	SER		60 60	-98.506	14.433	96.884 96.057	1.00	65.72 65.53
	OG				-98.315	15.697		1.00	65.16
412 413	C	SER		60 60	-99.610	15.389	95.455 98.061	1.00	66.42
414	0	SER		60	-99.840			1.00	
						16.597	97.949		66.14
415	N	SER		61	-99.191	14.819	99.186	1.00	67.34
416	CA	SER		61	-98.905	15.568	100.397	1.00	68.04
417	CB	SER		61	-99.960	15.278	101.468	1.00	68.06
418	OG	SER		61	-99.954	13.909	101.847	1.00	66.79
419	C	SER		61	-97.538	15.109	100.878	1.00	68.90
420	0	SER		61	-97.251	13.912	100.892	1.00	68.87
421	N	VAL		62	-96.698	16.063	101.266	1.00	69.78
422	CA	VAL		62	-95.341	15.763	101.717	1.00	70.58
423	CB	VAL		62	-94.659	17.027	102.273	1.00	70.42
424	CG1	VAL		62	-93.293	16.697	102.833	1.00	70.70
425	CG2	VAL		62	-94.555	18.092	101.186	1.00	70.79
426	C	VAL		62	-95.307	14.638	102.757	1.00	71.13
427	0	VAL		62	-95.955	14.728	103.800	1.00	71.06
428	N	PHE		63	-94.556	13.578	102.460	1.00	71.86
429	CA	PHE	A	63	-94.441	12.438	103.370	1.00	72.69
430	CB		A	63	-94.274	11.133	102.597	1.00	72.66
431	CG		A	63	-94.030	9.946	103.481	1.00	73.06
432	CD1		A	63	-92.762	9.675	103.963	1.00	73.09
433	CE1		A	63	-92.538	8.597	104.789	1.00	73.04
434	CZ	PHE	A	63	-93.585	7.766	105.142	1.00	73.31
435	CE2		Α	63	-94.854	8.023	104.670	1.00	73.34
436	CD2		Α	63	-95.074	9.113	103.848	1.00	73.44
437	C		A	63	-93.258	12.583	104.312	1.00	73.13
438	0		Α	63	-93.321	12.214	105.486	1.00	73.11
439	N		Α	64	-92.161	13.083	103.764	1.00	73.76
440	CA	LEU		64	-90.956	13.295	104.530	1.00	74.42
441	CB	LEU		64	-90.051	12.073	104.452	1.00	74.35
442	CG	LEU		64	-88.873	12.070	105.425	1.00	74.56
443	CD1	LEU		64	-89.369	11.956	106.859	1.00	74.40
444	CD2		Α	64	-87.905	10.945	105.099	1.00	74.72
445	С	LEU		64	-90.265	14.490	103.915	1.00	75.00
446	0		A	64	-89.856	14.449	102.755	1.00	75.07
447	N	GLU		65	-90.148	15.561	104.688	1.00	75.74
448	CA	GLU		65	-89.515	16.766	104.187	1.00	76.40
449	CB	GLU	Α	65	-90.053	18.014	104.893	1.00	76.68

FIGURE 31

A	В	С	D	Е	F	G	Н	I	J
450	CG	GLU	А	65	-90.491	17.786	106.332	1.00	77.45
451	CD	GLU		65	-91.151	19.011	106.948	1.00	79.22
452	OE1	GLU			-91.825	18.859	107.995	1.00	79.11
453	OE2	GLU		65	-90.999	20.127	106.388	1.00	79.23
454	C	GLU		65	-88.008	16.674	104.299	1.00	76.69
455	ō	GLU		65	-87.468	16.077	105.232	1.00	76.64
456	N	ASN		66	-87.351	17.253	103.304	1.00	77.07
457	CA	ASN		66	-85.904	17.310	103.197	1.00	77.55
458	CB	ASN		66	-85.569	18.446	102.232	1.00	77.84
459	CG	ASN		66	-86.537	19.623	102.371	1.00	78.43
460	OD1	ASN		66	-86.832	20.063	103.482	1.00	79.16
461	ND2	ASN	Α	66	-87.051	20.115	101.249	1.00	78.36
462	С	ASN		66	-85.172	17.550	104.520	1.00	77.66
463	0	ASN		66	-84.447	16.684	105.021	1.00	77.65
464	N	SER	Α	67	-85.387	18.742	105.068	1.00	77.67
465	CA	SER	Α	67	-84.712	19.231	106.268	1.00	77.74
466	CB	SER	Α	67	-85.318	20.579	106.671	1.00	77.78
467	OG	SER	Α	67	-86.727	20.481	106.792	1.00	77.45
468	C	SER	Α	67	-84.683	18.305	107.485	1.00	77.85
469	0	SER	Α	67	-83.734	18.349	108.278	1.00	77.93
470	N	THR	Α	68	-85.713	17.478	107.634	1.00	77.74
471	CA	THR	Α	68	-85.826	16.575	108.779	1.00	77.68
472	CB	THR	Α	68	-86.746	15.393	108.440	1.00	77.66
473	OG1	THR	Α	68	-87.912	15.871	107.756	1.00	77.83
474	CG2	THR	Α	68	-87.301	14.767	109.716	1.00	77.56
475	C	THR	Α	68	-84.488	16.043	109.302	1.00	77.67
476	0	THR	Α	68	-84.275	15.965	110.514	1.00	77.61
477	N	PHE	Α	69	-83.592	15.679	108.390	1.00	77.66
478	CA	PHE	Α	69	-82.309	15.108	108.786	1.00	77.63
479	CB	PHE	Α	69	-82.122	13.724	108.153	1.00	77.52
480	CG	PHE	Α	69	-83.287	12.804	108.352	1.00	76.97
481	CD1	PHE	Α	69	-83.546	12.252	109.593	1.00	76.96
482	CE1	PHE	Α	69	-84.621	11.405	109.780	1.00	77.06
483	CZ	PHE	Α	69	-85.453	11.101	108.719	1.00	77.00
484	CE2	PHE	Α	69	-85.201	11.646	107.475	1.00	77.00
485	CD2	PHE	Α	69	-84.123	12.492	107.296	1.00	76.74
486	C	PHE	Α	69	-81.113	15.985	108.430	1.00	77.81
487	0	PHE		69	-79.985	15.492	108.362	1.00	77.86
488	N	ASP		70	-81.332	17.277	108.204	1.00	77.78
489	CA	ASP	А	70	-80.197	18.120	107.846	1.00	77.79
490	CB	ASP	А	70	-80.632	19.465	107.261	1.00	78.10
491	CG	ASP		70	-81.500	20.261	108.204	1.00	79.05
492	OD1	ASP	А	70	-82.274	21.113	107.713	1.00	79.76
493	OD2	ASP	Α	70	-81.480	20.106	109.444	1.00	79.98
494	С	ASP		70	-79.237	18.286	109.023	1.00	77.42
495	0	ASP		70	-78.149	18.839	108.872	1.00	77.46
496	N	GLU		71	-79.646	17.794	110.190	1.00	76.84
497	CA	GLU		71	-78.791	17.824	111.370	1.00	76.39
498	CB	GLU		71	-79.466	18.565	112.528	1.00	76.72
499	CG	GLU		71	-79.637	20.061	112.283	1.00	77.81
500	CD	GLU	А	71	-79.450	20.901	113.540	1.00	79.41

FIGURE 3J

A	В	C	D	Е	F	G	H	I	J
501	OE1	GLU	Α	71	-79.341	20.323	114.647	1.00	79.94
502	OE2	GLU	Α	71	-79.402	22.147	113.420	1.00	79.88
503	C	GLU	Α	71	-78.434	16.398	111.765	1.00	75.74
504	0	GLU	Α	71	-77.956	16.139	112.876	1.00	75.50
505	N	PHE	Α	72	-78.679	15.479	110.833	1.00	74.83
506	CA	PHE		72	-78.382	14.064	111.016	1.00	73.85
507	CB	PHE	A	72	-78.782	13.290	109.760	1.00	74.04
508	CG	PHE	A	72	-78.620	11.803	109.877	1.00	74.10
509	CD1	PHE	A	72	-77.575	11.159	109.234	1.00	73.80
510	CE1		A	72	-77.424	9.798	109.329	1.00	73.80
511	CZ		A	72	-78.324	9.055	110.065	1.00	74.51
512	CE2	PHE	A	72	-79.377	9.680	110.708	1.00	74.63
513	CD2		A	72	-79.523	11.048	110.609	1.00	74.10
514	C	PHE	A	72	-76.900	13.861	111.312	1.00	73.03
515	Ö	PHE	A	72	-76.529	12.977	112.090	1.00	73.05
516	N	GLY		73	-76.060	14.680	110.685	1.00	71.87
517	CA	GLY		73	-74.625	14.612	110.895	1.00	70.69
518	C	GLY		73	-73.888	14.010	109.719	1.00	69.83
519	Ö	GLY	A	73	-72.656	14.057	109.642	1.00	69.87
520	N	HIS		74	-74.650	13.439	108.794	1.00	68.75
521	CA		A	74	-74.078	12.820	107.611	1.00	67.57
522	CB	HIS		74	-74.037	11.303	107.776	1.00	67.49
523	CG	HIS		74	-73.715	10.851	109.168	1.00	66.51
524	ND1	HIS		74	-72.437	10.537	109.570	1.00	66.10
525	CE1	HIS		74	-72.457	10.154	110.838	1.00	65.84
526	NE2	HIS	A	74	-73.703	10.227	111.274	1.00	65.59
527	CD2	HIS		74	-74.508	10.660	110.249	1.00	66.42
528	C	HIS		74	-74.921	13.191	106.403	1.00	66.95
529	ŏ	HIS		74	-75.683	14.158	106.445	1.00	67.33
530	N	SER		75	-74.772	12.446	105.315	1.00	65.79
531	CA	SER		75	-75.580	12.440	104.125	1.00	64.59
532	CB	SER		75	-74.735	13.253	102.981	1.00	64.75
533	OG	SER		75	-73.941	12.249	102.382	1.00	64.75
534	C	SER		75	-76.263	11.394	102.362	1.00	63.72
535	0	SER		75	-75.625	10.347	103.712	1.00	63.44
536	N	ILE	A	76	-77.563	11.471	103.606	1.00	62.64
537	CA		A	76	-78.347	10.284	103.477	1.00	61.64
538	CB		A	76	-79.801	10.284	103.173	1.00	61.65
539	CG1	ILE	A	76	-79.855	10.744	105.104	1.00	61.22
540	CD1		A	76	-79.505	9.531	105.104	1.00	60.30
	CG2	ILE	A	76	-80.663	9.305	103.316		61.36
54 1 542	C	ILE	A	76	-78.271	9.779	101.733	1.00	61.23
543				76		10.472	101.733		
	0		Α		-78.657			1.00	60.88
544 545	N CA	ASN		77 77	-77.785 -77.660	8.548 7.915	101.594	1.00	60.50 59.70
546	CB	ASN		77 77	-76.639	6.774	100.340	1.00	59.69
547	CG	ASN		77	-76.557		99.035	1.00	59.77
548	OD1	ASN	A		-76.121	6.525	98.006	1.00	59.13
549 550	ND2 C	ASN		77 77	-76.973	4.742 7.410	99.075 99.810	1.00	59.64 59.12
551	0	ASN		77	-79.010 -79.378	7.410	98.648	1.00	58.95
331	U	ASN	А	11	-/9.3/8	7.590	98.048	1.00	J8.95

FIGURE 3K

A	В	С	D	Е	F	G	Н	I	J
552	N	ASP	Α	78	-79.757	6.796	100.716	1.00	58.58
553	CA	ASP		78	-81.071	6.269	100.371		58.27
554	CB	ASP		78	-80.938	4.955	99.591	1.00	58.61
555	CG	ASP		78	-81.948	4.838	98.455		60.42
556	OD1	ASP		78	-83.168	4.702	98.734	1.00	60.92
557	OD2	ASP		78	-81.607	4.867	97.246	1.00	61.79
558	C	ASP		78	-81.911	6.045	101.624	1.00	57.52
559	o	ASP		78	-81.425	6.129	102.750	1.00	57.00
560	N	TYR	Α	79	-83.182	5.748	101.407	1.00	56.98
561	CA	TYR	Α	79	-84.116	5.528	102.495	1.00	56.43
562	CB	TYR	Α	79	-85.053	6.735	102.638	1.00	56.46
563	CG	TYR	Α	79	-85.965	6.926	101.445	1.00	57.21
564	CD1	TYR	Α	79	-85.548	7.647	100.338	1.00	58.14
565	CE1	TYR	Α	79	-86.374	7.810	99.236	1.00	59.98
566	CZ	TYR	Α	79	-87.637	7.240	99.234	1.00	60.76
567	OH	TYR	Α	79	-88.464	7.398	98.139	1.00	61.91
568	CE2	TYR	Α	79	-88.073	6.516	100.323	1.00	59.61
569	CD2	TYR	Α	79	-87.237	6.365	101.421	1.00	58.25
570	C	TYR	Α	79	-84.931	4.275	102.206	1.00	55.67
571	0	TYR	Α	79	-85.059	3.853	101.067	1.00	55.35
572	N	SER	Α	80	-85.491	3.686	103.245	1.00	55.30
573	CA	SER	Α	80	-86.341	2.529	103.061	1.00	54.89
574	CB	SER	Α	80	-85.538	1.233	103.109	1.00	54.78
575	OG	SER	Α	80	-86.410	0.128	103.084	1.00	53.76
576	С	SER	Α	80	-87.416	2.518	104.129	1.00	54.94
577	0	SER	Α	80	-87.139	2.362	105.318	1.00	54.89
578	N	ILE	Α	81	-88.652	2.682	103.691	1.00	54.80
579	CA	ILE			-89.765	2.695	104.604	1.00	54.71
580	CB	ILE	Α	81	-90.858	3.608	104.068	1.00	54.69
581	CG1	ILE			-90.223	4.877	103.504	1.00	55.47
582	CD1	ILE			-90.789	6.149	104.053	1.00	55.70
583	CG2	ILE			-91.889	3.891	105.149	1.00	
584	С	ILE			-90.326	1.309	104.827	1.00	54.66
585	0	ILE			-90.635	0.582	103.879	1.00	54.51
586	N	SER			-90.442	0.942	106.095	1.00	
587	CA	SER			-91.079	-0.299	106.457	1.00	54.72
588	CB	SER			-91.280	-0.350	107.976	1.00	55.07
589	OG	SER			-91.880	-1.575	108.381	1.00	55.75
590	C	SER		82	-92.433	-0.340	105.750	1.00	54.55
591	0	SER			-93.040	0.695	105.498	1.00	54.24
592	N	PRO			-92.909	-1.532	105.423	1.00	54.57
593	CA	PRO			-94.216	-1.669	104.784	1.00	54.68
594	CB	PRO			-94.440	-3.181	104.779	1.00	54.57
595	CG	PRO			-93.083	-3.768	104.845	1.00	
596	CD	PRO			-92.249	-2.828	105.647	1.00	54.52
597	C	PRO			-95.223	-1.015	105.708	1.00	54.77
598	0	PRO			-96.334	-0.658	105.319	1.00	54.48
599	N	ASP		84	-94.781	-0.858	106.950	1.00	54.99
600	CA	ASP		84	-95.563	-0.294	108.040	1.00	55.12
601	CB	ASP		84	-94.763	-0.421	109.331	1.00	
602	CG	ASP	А	84	-95.363	-1.402	110.258	1.00	55.64

FIGURE 3L

A	В	С	D	Е	F	G	Н	I	J
603	OD1	ASP	А	84	-94.765	-1.671	111.312	1.00	56.59
604	OD2	ASP			-96.449	-1.958	110.002	1.00	57.31
605	C	ASP			-95.918	1.165	107.914	1.00	55.01
606	0	ASP	Α	84	-96.973	1.595	108.387	1.00	55.07
607	N	GLY	Α	85	-95.017	1.929	107.312	1.00	54.70
608	CA	GLY		85	-95.158	3.366	107.279	1.00	54.30
609	С	GLY		85	-94.753	3.893	108.647	1.00	54.01
610	0	GLY		85	-94.739	5.098	108.871	1.00	54.26
611	N	GLN		86	-94.407	2.979	109.554	1.00	53.65
612	CA	GLN		86	-94.053	3.319	110.934	1.00	53.40
613	CB	GLN		86	-94.536	2.226	111.889	1.00	53.22
614	CG	GLN			-96.039	2.080	111.914	1.00	53.47
615 616	CD OE1	GLN			-96.486 -95.703	0.894	112.723 113.497	1.00	53.71 54.47
617	NE2	GLN			-97.740	0.338	113.497	1.00	52.64
618	C	GLN		86	-92.571	3.581	111.179	1.00	53.30
619	Ö	GLN		86	-92.183	3.988	112.270	1.00	53.42
620	N	PHE		87	-91.733	3.329	110.183	1.00	53.22
621	CA	PHE		87	-90.314	3.607	110.333	1.00	52.63
622	CB	PHE		87	-89.601	2.456	111.038	1.00	52.99
623	CG		A	87	-90.205	2.066	112.355	1.00	53.72
624	CD1	PHE		87	-89.882	2.751	113.515	1.00	54.78
625	CE1	PHE	Α	87	-90.430	2.378	114.733	1.00	55.42
626	CZ	PHE	Α	87	-91.302	1.309	114.800	1.00	54.70
627	CE2	PHE	Α	87	-91.623	0.619	113.652	1.00	54.87
628	CD2	PHE	Α	87	-91.071	0.993	112.438	1.00	53.75
629	С		Α	87	-89.675	3.794	108.981	1.00	52.09
630	0	PHE		87	-90.082	3.170	108.004	1.00	51.94
631	N		Α	88	-88.673	4.659	108.920	1.00	51.55
632	CA	ILE			-87.891	4.799	107.704	1.00	51.12
633	CB	ILE			-88.022	6.200	107.088	1.00	51.27
634	CG1	ILE			-87.101	6.316	105.869	1.00	52.21
635 636	CD1 CG2	ILE	A		-87.378 -87.682	7.528	104.998	1.00	52.90 51.87
637	C	ILE		88	-86.431	4.442	107.991	1.00	50.47
638	0	ILE		88	-85.828	4.932	108.948	1.00	50.53
639	N	LEU		89	-85.877	3.551	107.182	1.00	49.59
640	CA	LEU		89	-84.487	3.162	107.331	1.00	48.54
641	CB	LEU		89	-84.263	1.793	106.705	1.00	48.62
642	CG	LEU		89	-82.852	1.224	106.747	1.00	48.60
643	CD1	LEU	Α	89	-82.590	0.405	105.497	1.00	49.00
644	CD2	LEU	Α	89	-82.681	0.379	107.982	1.00	48.32
645	C	LEU	Α	89	-83.647	4.198	106.612	1.00	47.95
646	0	LEU		89	-83.940	4.562	105.479	1.00	47.88
647	N	LEU		90	-82.610	4.689	107.270	1.00	47.21
648	CA	LEU		90	-81.755	5.692	106.656	1.00	46.75
649	CB		Α	90	-81.589	6.896	107.578	1.00	47.00
650	CG	LEU		90	-82.872	7.713	107.691	1.00	47.93
651	CD1	LEU	A	90	-82.628	8.934	108.555	1.00	49.24
652	CD2		A	90	-83.339	8.118	106.301	1.00	48.21 45.87
653	С	LEU	А	90	-80.407	5.089	106.335	1.00	45.8/

FIGURE 3M

A	В	С	D	Е	F	G	H	I	J
654	0	LEU	Α	90	-79.722	4.556	107.211	1.00	45.76
655	N	GLU	Α	91	-80.029	5.181	105.070		44.80
656	CA	GLU			-78.790	4.584	104.613		43.70
657	CB	GLU		91	-79.048	3.792	103.334		43.58
658	CG	GLU		91	-77.796	3.334	102.611	1.00	43.64
659	CD	GLU		91	-78.128	2.469	101.414	1.00	43.67
660	OE1	GLU		91	-77.745	2.853	100.295	1.00	43.86
661	OE2	GLU		91	-78.781	1.416	101.601	1.00	42.46
662	С	GLU		91	-77.725	5.636	104.380	1.00	42.84
663	0	GLU		91	-77.952	6.613	103.664	1.00	42.25
664	N	TYR		92	-76.561	5.432	104.990	1.00	42.10
665	CA	TYR		92	-75.464	6.369	104.811	1.00	41.77
666	CB	TYR			-75.600	7.567	105.766	1.00	41.94
667	CG	TYR			-75.429	7.233	107.222	1.00	40.43
668	CD1	TYR			-76.391	6.521	107.905		40.23
669	CE1	TYR		92	-76.221	6.212	109.242	1.00	41.40
670	CZ	TYR		92	-75.087	6.638	109.895	1.00	40.80
671	OH	TYR	Α	92	-74.895	6.340	111.221	1.00	42.34
672	CE2	TYR	Α	92	-74.121	7.340	109.225	1.00	39.74
673	CD2	TYR	Α	92	-74.295	7.634	107.910	1.00	39.63
674	C	TYR	Α	92	-74.107	5.686	104.954	1.00	41.71
675	0	TYR	Α	92	-74.023	4.546	105.419	1.00	41.24
676	N	ASN	Α	93	-73.055	6.400	104.555	1.00	41.38
677	CA	ASN	Α	93	-71.706	5.859	104.543	1.00	41.55
678	CB	ASN	Α	93	-71.298	5.352	105.925	1.00	42.02
679	CG	ASN	Α	93	-71.043	6.482	106.901	1.00	43.73
680	OD1	ASN	Α	93	-70.671	7.588	106.502	1.00	45.09
681	ND2	ASN	Α	93	-71.249	6.213	108.189	1.00	44.17
682	C	ASN	Α	93	-71.606	4.747	103.507	1.00	40.94
683	0	ASN	Α	93	-70.962	3.725	103.722	1.00	40.20
684	N	TYR	Α	94	-72.274	4.976	102.386	1.00	40.86
685	CA	TYR	Α	94	-72.307	4.056	101.270	1.00	40.82
686	CB	TYR			-73.217	4.620	100.179	1.00	41.16
687	CG	TYR		94	-73.168	3.873	98.858	1.00	42.03
688	CD1	TYR		94	-73.912	2.716	98.667	1.00	
689	CE1	TYR		94	-73.881	2.037	97.464	1.00	42.75
690	CZ	TYR		94	-73.098	2.508	96.431	1.00	42.95
691	OH	TYR		94	-73.071	1.818	95.239	1.00	45.07
692	CE2	TYR		94	-72.354	3.656	96.586	1.00	42.83
693	CD2	TYR		94	-72.394	4.340	97.797	1.00	41.85
694	C	TYR		94	-70.924	3.788	100.686	1.00	40.68
695	ō	TYR		94	-70.237	4.702	100.231	1.00	41.17
696	N	VAL		95	-70.506	2.530	100.722	1.00	39.96
697	CA	VAL			-69.270	2.140	100.063	1.00	39.34
698	CB	VAL		95	-68.164	1.733	101.047	1.00	39.31
699	CG1	VAL		95	-67.994	2.793	102.125	1.00	39.60
700	CG2	VAL		95	-68.486	0.402	101.674	1.00	40.76
701	C	VAL		95	-69.614	0.999	99.095	1.00	38.41
702	o	VAL		95	-69.979	-0.115	99.499	1.00	38.29
703	N	LYS		96	-69.545	1.317	97.812	1.00	37.32
704	CA	LYS		96	-69.818	0.360	96.759		36.43
104	CA	PIS	A	ッり	-69.818	0.300	20./39	1.00	30.43

FIGURE 3N

A	В	C	D	E	F	G	H	I	J
705	СВ	LYS	A	96	-69.625	1.039	95.410	1.00	36.77
706	CG	LYS			-69.569	0.073	94.248	1.00	37.54
707	CD	LYS			-69.843	0.780	92.938	1.00	36.45
708	CE	LYS			-69.948	-0.234	91.800		36.87
709	NZ	LYS		96	-68.755	-1.131	91.791	1.00	34.18
710	C	LYS		96	-68.866	-0.820	96.820	1.00	35.47
711	Ö	LYS		96	-67.672	-0.634	97.073	1.00	34.98
712	N	GLN		97	-69.385	-2.035	96.634	1.00	33.71
713	CA	GLN		97	-68.473	-3.159	96.634	1.00	32.87
714	CB	GLN		97	-68.746	-4.338	97.387	1.00	33.00
715	CG	GLN		97	-67.828	-5.535	97.076	1.00	34.97
716	CD	GLN		97	-67.804	-6.613	98.149	1.00	36.12
717	OE1	GLN			-66.746	-6.910	98.709	1.00	37.95
718	NE2	GLN		97	-68.951	-7.218	98.414	1.00	37.01
719	C	GLN		97	-68.519	-3.570	94.969	1.00	31.95
720	0	GLN		97	-67.883	-2.926	94.108	1.00	30.84
721	N	TRP		98	-69.303	-4.601	94.670	1.00	30.50
722	CA	TRP		98	-69.412	-5.071	93.300	1.00	30.31
723	CB	TRP		98	-69.458	-6.607	93.235	1.00	29.81
724	CG	TRP	Α	98	-68.354	-7.265	94.042	1.00	26.78
725	CD1	TRP		98	-68.487	-8.325	94.896		25.79
726	NE1	TRP		98	-67.276	-8.642	95.459		24.42
727	CE2	TRP	Α	98	-66.318	-7.793	94.961	1.00	24.75
728	CD2	TRP	Α	98	-66.961	-6.904	94.075	1.00	24.84
729	CE3	TRP	Α	98	-66.190	-5.931	93.433	1.00	22.20
730	CZ3	TRP	Α	98	-64.840	-5.866	93.696	1.00	21.42
731	CH2	TRP	Α	98	-64.227	-6.765	94.573	1.00	23.42
732	CZ2	TRP	Α	98	-64.951	-7.723	95.231	1.00	23.60
733	C	TRP	Α	98	-70.596	-4.414	92.593	1.00	30.53
734	0	TRP	Α	98	-70.938	-3.275	92.887	1.00	31.01
735	N	ARG	Α	99	-71.217	-5.110	91.652	1.00	30.41
736	CA	ARG	Α	99	-72.287	-4.486	90.884	1.00	29.78
737	CB	ARG	Α	99	-72.688	-5.349	89.710	1.00	30.16
738	CG	ARG			-73.689	-4.661	88.806	1.00	30.00
739	CD	ARG	Α	99	-74.321	-5.596	87.831	1.00	32.10
740	NE	ARG	Α	99	-73.349	-6.235	86.953	1.00	31.79
741	CZ	ARG	Α	99	-72.956	-5.724	85.795	1.00	35.74
742	NH1	ARG	Α	99	-73.430	-4.546	85.405	1.00	34.55
743	NH2	ARG	Α	99	-72.078	-6.379	85.022	1.00	36.45
744	C	ARG	Α	99	-73.530	-4.164	91.691	1.00	29.82
745	Ō	ARG		99	-74.207	-3.157	91.452	1.00	29.36
746	N	HIS		100	-73.852	-5.028	92.634	1.00	29.79
747	CA	HIS			-75.030	-4.786	93.450		30.01
748	CB	HIS			-76.027	-5.943	93.328		29.65
749	CG	HIS			-76.377	-6.288	91.913	1.00	30.33
750	ND1			100	-77.319	-5.587	91.188	1.00	29.96
751	CE1		A	100	-77.422	-6.114	89.978	1.00	30.33
752	NE2		A	100	-76.571	-7.122	89.889	1.00	31.44
753	CD2	HIS		100	-75.903	-7.254	91.085	1.00	
754	C	HIS		100	-74.631	-4.605	94.904		29.88
755	Ö	HIS			-75.307	-3.893	95.644		29.96
,	-			_ 0 0	, , , , , , ,	0.000	-0.014	1.00	

FIGURE 3O

A	В	С	D	Е		F		G	Н		I	J
756	N	SER	А	101	-7	3.516	-5	.222	95.	285	1.00	29.75
757	CA	SER				3.077		.245	96.		1.00	30.71
758	CB	SER				2.126		.415	96.		1.00	30.60
759	OG	SER				0.964		.315	96.		1.00	30.67
760	С	SER				2.463		.951	97.		1.00	31.43
761	0	SER				1.795		.209	96.		1.00	31.45
762	N	TYR				2.729		.667	98.		1.00	32.61
763	CA	TYR				2.153		.489	99.		1.00	34.02
764	CB	TYR				2.795		.201	98.		1.00	33.97
765	CG	TYR				4.265		.034	98.		1.00	34.51
766	CD1	TYR				4.671		.554	100.		1.00	34.44
767	CE1	TYR				6.017		.393	100.		1.00	34.19
768	CZ	TYR				6.968		.688	99.		1.00	36.01
769	OH	TYR				8.312		.527	99.		1.00	37.07
770	CE2	TYR				6.590		.153	98.		1.00	35.53
771	CD2	TYR				5.247		.322	97.		1.00	34.87
772	C	TYR				2.281		.547	100.		1.00	34.63
773	ō	TYR				2.993		.380	101.		1.00	34.79
774	N	THR				1.571		.640	101.		1.00	35.57
775	CA	THR				1.584		.535	102.		1.00	36.51
776	CB	THR				0.182		.745	103.		1.00	36.49
777	OG1	THR				0.038		.123	103.		1.00	37.55
778	CG2	THR				9.993		.988	104.		1.00	37.30
779	C	THR				2.088		.153	102.		1.00	37.41
780	0	THR				1.922		.800	102.		1.00	36.93
781	N	ALA				2.696		.041	104.		1.00	38.57
782	CA	ALA				3.281		.216	104.		1.00	
783	CB	ALA				4.518		.506	103.		1.00	39.76
784	C	ALA				3.661		.229	106.		1.00	
785	ō	ALA				3.799		.181	106.			41.40
786	N	SER				3.800		.432	106.			42.97
787	CA	SER				4.254		.611	107.			44.31
788	CB	SER				3.699		.900	108.			44.20
789	OG	SER				2.328		.796	108.		1.00	
790	C	SER			-7	5.769	2	.709	107.	928	1.00	45.32
791	0	SER				6.356		.008	106.		1.00	
792	N	TYR				6.408		.476	109.		1.00	
793	CA	TYR				7.859		.545	109.			47.94
794	CB	TYR	Α	106	-7	8.464	1	.154	108.	886	1.00	47.65
795	CG	TYR			-7	8.255	0	.642	107.	477	1.00	48.49
796	CD1	TYR	Α	106	-7	7.163	-0	.160	107.	156	1.00	48.56
797	CE1	TYR				6.959		.606	105.			48.75
798	CZ	TYR	А	106	-7	7.854	-0	.258	104.	870		48.53
799	OH	TYR				7.676		.696	103.			47.41
800	CE2	TYR				8.936		.541	105.			49.52
801	CD2	TYR				9.130	0	.989	106.	461	1.00	
802	C	TYR				8.415		.171	110.		1.00	48.72
803	0	TYR				7.926		.932	111.		1.00	
804	N	ASP		107		9.434		.996	110.		1.00	
805	CA	ASP				0.176		.552	111.			51.26
806	CB	ASP	Α	107		9.841	6	.019	111.			51.15

FIGURE 3P

A	В	С	D	Е		F		G	Н	I	J
807	CG	ASP	Α	107	_	78.522	6	.198	112.262	1.00	51.39
808	OD1	ASP				78.343		.617	113.347		50.59
809	OD2	ASP	Α	107	-	77.593	6	.879	111.793	1.00	52.74
810	С	ASP	Α	107	-	81.647	4	.386	111.023	1.00	52.24
811	0	ASP	Α	107	-	82.090	4	.631	109.895		52.43
812	N	ILE				82.386		.929	112.024		53.27
813	CA	ILE				83.814		.747	111.907		54.46
814	CB	ILE				84.248		.509	112.681		
815	CG1	ILE				83.414		.300	112.263		
816	CD1	ILE				83.603		.109	113.152	1.00	53.98
817	CG2	ILE				85.731		.262	112.466		54.24
818	C	ILE				84.495 84.175		.949	112.510		55.70
819 820	N	TYR				85.452		.508	113.625 111.786	1.00	56.05 56.99
821	CA	TYR				86.158		.679	112.267	1.00	58.18
822	CB	TYR				86.000		.808	111.258		58.13
823	CG	TYR				86.724		.070			58.70
824	CD1	TYR				86.180		.951	112.551	1.00	58.38
825	CE1	TYR				86.837		.108	112.897	1.00	59.66
826	CZ	TYR				88.056		.399	112.323	1.00	60.37
827	OH	TYR				88.707		.557	112.673	1.00	61.64
828	CE2	TYR	Α	109	-	88.621	10	.539	111.407	1.00	60.00
829	CD2	TYR	Α	109	-	87.956	9	.381	111.071	1.00	59.25
830	С	TYR				87.636		.381	112.503	1.00	59.21
831	0	TYR				88.353		.994	111.578	1.00	59.31
832	N	ASP				88.084		.563	113.745		60.39
833	CA	ASP				89.485		.369	114.108	1.00	
834	CB	ASP				89.647		.365	115.626	1.00	61.48
835	CG	ASP				91.000		.839	116.072	1.00	61.56
836	OD1	ASP				92.038		.409	115.667		61.84
837 838	OD2 C	ASP				91.120		.862	116.843 113.509		61.51 62.57
839	0	ASP				90.313		.666	113.509		62.64
840	N	LEU				91.298		.132	112.699		63.95
841	CA	LEU				92.101		.117	111.991		65.62
842	CB	LEU				92.821		.452	110.816		65.53
843	CG	LEU				91.945		.211	109.587	1.00	
844	CD1	LEU				91.671		.533	108.898	1.00	65.10
845	CD2	LEU				92.590		.243	108.625	1.00	64.19
846	C	LEU	Α	111	-	93.105	8	.869	112.863	1.00	66.86
847	0	LEU	Α	111	-	93.350	10	.061	112.649	1.00	67.09
848	N	ASN	Α	112	-	93.699	8	.175	113.829	1.00	68.18
849	CA	ASN				94.687		.813	114.694		69.43
850	CB	ASN				95.815		.847	115.063	1.00	69.91
851	CG	ASN				96.951		.868	114.043	1.00	71.54
852	OD1	ASN				97.853		.716	114.111	1.00	73.34
853	ND2	ASN				96.905		.947	113.085	1.00	72.43
854	C	ASN		112		94.074		.498	115.917	1.00	69.67
855	O	ASN		112		94.454		.618	116.255	1.00	69.91
856	N	LYS				93.130		.834	116.576		69.67
857	CA	LYS	и	113	_	92.411	9	.467	117.666	1.00	69.79

FIGURE 3Q

A	В	С	D	Е	F	G	H	I	J
858	CB	LYS	Α	113	-91.581	8.445	118.432	1.00	69.92
859	CG			113	-92.323	7.474	119.317	1.00	71.09
860	CD	LYS	Α	113	-91.307	6.839	120.266	1.00	73.31
861	CE			113	-91.738	5.475	120.779	1.00	74.59
862	NZ			113	-92.421	5.556	122.104	1.00	75.40
863	C			113	-91.429	10.414	116.999	1.00	69.62
864	Ö			113	-90.600	11.044	117.657	1.00	69.51
865	N	ARG			-91.531	10.490	115.676	1.00	69.50
866	CA	ARG			-90.529	11.161	114.843	1.00	69.30
867	CB	ARG			-91.101	12.337	114.026	1.00	69.52
868	CG	ARG			-91.369	13.633	114.748	1.00	70.06
869	CD	ARG			-91.489	14.829	113.791	1.00	71.10
870	NE	ARG			-92.790	14.901	113.115	1.00	71.72
871	CZ	ARG			-93.128	15.839	112.231	1.00	71.44
872	NH1	ARG			-94.333	15.827	111.677	1.00	71.11
873	NH2	ARG			-92.261	16.789	111.897	1.00	71.05
874	C	ARG			-89.199	11.453	115.552	1.00	68.86
875	Ö	ARG			-88.787	12.597	115.691	1.00	68.68
876	N			115	-88.545	10.390	116.011	1.00	68.59
877	CA			115	-87.224	10.501	116.619	1.00	68.27
878	CB			115	-87.286	10.587	118.152	1.00	68.48
879	CG			115	-87.726	9.325	118.890	1.00	68.71
880	CD			115	-88.312	9.644	120.261	1.00	68.76
881	OE1			115	-89.533	9.723	120.201	1.00	69.09
882	NE2			115	-87.448	9.843	121.250	1.00	67.97
883	C			115	-86.331	9.363	116.139	1.00	67.81
884	Ö			115	-86.814	8.327	115.682	1.00	68.07
885	N	LEU		116	-85.028	9.584	116.241	1.00	66.96
886	CA			116	-84.010	8.666	115.760	1.00	66.14
	CB			116	-82.740	9.482	115.521	1.00	66.09
887 888	CG			116	-81.798	9.189	114.366	1.00	66.06
				116	-80.787	10.318	114.260	1.00	
889 890	CD1 CD2			116	-82.573	9.043	113.070	1.00	66.19
891	C			116	-83.713	7.592	116.798	1.00	65.84
	0				-83.144	7.894			65.90
892 893	N			116 117	-84.085	6.344	117.852 116.527	1.00	65.02
894	CA			117	-83.763	5.293	117.482	1.00	64.46
895	CB			117	-84.102	3.901	116.942	1.00	64.31
896	CG1	ILE		117	-85.566	3.561	117.228	1.00	64.66
897	CD1	ILE		117	-86.567	4.342	116.400	1.00	64.28
898	CG2	ILE		117	-83.231	2.855	117.608	1.00	64.41
899	C			117	-82.280	5.405	117.794	1.00	64.18
900	0			117	-81.452	5.443	116.888	1.00	64.41
901	N			118	-81.945	5.509	119.073	1.00	63.78
902	CA			118	-80.549	5.628	119.469	1.00	63.43
903	CB			118	-80.305	6.903	120.294	1.00	63.51
904	OG1			118	-81.158	6.899		1.00	63.30
905	CG2			118	-80.750	8.131	119.519	1.00	64.33
906	С	THR		118	-80.178	4.428	120.299	1.00	62.89
907	0	THR		118	-79.093	4.363	120.865	1.00	63.13
908	N	GLU	Α	119	-81.095	3.483	120.404	1.00	62.19

FIGURE 3R

A	В	С	D	Е	F	G	H	I	J
909	CA	GLU	Α	119	-80.789	2.302	121.179	1.00	61.90
910	CB	GLU	Α	119	-81.876	1.988	122.212	1.00	62.16
911	CG	GLU	Α	119	-83.295	2.021	121.682	1.00	63.42
912	CD	GLU	Α	119	-84.097	3.175	122.249	1.00	64.70
913	OE1	GLU			-85.216	2.925	122.752		65.29
914	OE2	GLU			-83.603	4.322	122.200		65.47
915	C	GLU			-80.553	1.116	120.270	1.00	
916	0	GLU			-81.336	0.833	119.358	1.00	61.12
917	N	GLU			-79.435	0.451	120.508	1.00	60.35
918	CA	GLU			-79.112	-0.751	119.782	1.00	59.58
919	CB	GLU			-80.038	-1.855	120.236	1.00	59.80
920	CG	GLU			-79.656	-2.395	121.592		60.94
921	CD	GLU			-79.723	-3.888	121.581	1.00	62.51
922 923	OE1 OE2	GLU			-80.436 -79.059	-4.398 -4.541	120.697 122.413	1.00	62.86
923	C	GLU			-79.039	-0.567	118.280	1.00	58.60
925	0	GLU			-80.009	-1.223	117.607	1.00	58.51
926	N	ARG			-78.380	0.325	117.764	1.00	57.22
927	CA	ARG			-78.379	0.646	116.351	1.00	55.90
928	CB	ARG			-77.564	1.925	116.127	1.00	56.41
929	CG	ARG			-78.211	3.159	116.755		58.26
930	CD	ARG			-77.247	4.271	117.158		62.15
931	NE	ARG	Α	121	-76.774	5.071	116.030	1.00	64.53
932	CZ	ARG	Α	121	-75.558	5.604	115.961	1.00	66.45
933	NH1	ARG	Α	121	-74.695	5.414	116.955	1.00	66.14
934	NH2	ARG	Α	121	-75.201	6.323	114.901		67.16
935	C	ARG			-77.839	-0.499	115.494	1.00	54.28
936	0	ARG			-77.194	-1.427	115.988	1.00	53.50
937	N	ILE			-78.151	-0.437	114.206	1.00	52.62
938	CA	ILE			-77.596	-1.363	113.237	1.00	50.94
939	CB	ILE			-78.290	-1.160	111.893	1.00	50.64
940	CG1	ILE			-79.765 -80.633	-1.551 -1.119	112.013	1.00	50.60
941 942	CD1 CG2	ILE			-77.612	-1.119	110.847 110.811	1.00	49.17
943	C	ILE			-76.106		113.159	1.00	
944	0	ILE			-75.733	0.152	113.129	1.00	49.67
945	N	PRO			-75.251	-2.043	113.163	1.00	49.10
946	CA	PRO			-73.802	-1.814	113.145	1.00	48.58
947	CB	PRO			-73.216	-3.227	113.096	1.00	48.45
948	CG	PRO	А	123	-74.298	-4.112	113.584	1.00	48.91
949	CD	PRO	Α	123	-75.591	-3.473	113.188	1.00	48.92
950	C	PRO	Α	123	-73.356	-1.044	111.922	1.00	48.24
951	0	PRO	Α	123	-74.093	-0.916	110.936	1.00	47.98
952	N	ASN			-72.146	-0.507	111.994	1.00	48.07
953	CA	ASN			-71.560	0.145	110.831	1.00	47.49
954	CB	ASN			-70.366	1.008	111.239	1.00	47.79
955	CG	ASN			-70.770	2.223	112.062	1.00	49.27
956	OD1	ASN		124	-71.831	2.812	111.845	1.00	50.29
957	ND2	ASN		124	-69.912	2.614	113.004	1.00	49.78
958	C	ASN			-71.092	-0.982	109.924	1.00	46.23
959	0	ASN	А	124	-70.885	-2.101	110.389	1.00	45.94

FIGURE 3S

A	В	C	D	E	F	G	H	1	J
0.51									
960		ASN			-70.917	-0.698	108.640	1.00	45.11
961		ASN		125	-70.441	-1.722	107.723	1.00	44.23
962		ASN			-69.043	-2.183	108.135	1.00	44.07
963		ASN			-68.077	-1.040	108.229	1.00	43.99
964		ASN			-67.545	-0.763	109.292	1.00	45.19
965		ASN			-67.855	-0.353	107.115	1.00	43.79
966		ASN			-71.376	-2.927	107.635	1.00	43.28
967		ASN			-70.931	-4.071	107.510	1.00	43.08
968		THR		126	-72.670	-2.658	107.736	1.00	42.12
969				126	-73.668	-3.691	107.597	1.00	41.08
970				126	-75.019	-3.208	108.126	1.00	41.17
971		THR		126	-74.984	-3.203	109.559	1.00	41.92
972		THR			-76.101	-4.228	107.820	1.00	41.52
973		THR		126	-73.713	-3.966	106.111	1.00	39.94
974				126	-73.741	-3.041	105.301	1.00	39.39
975		GLN			-73.669	-5.245	105.763	1.00	39.17
976		GLN		127	-73.550	-5.662	104.375	1.00	38.23
977		GLN		127	-72.940	-7.054	104.312	1.00	37.88
978		GLN		127	-71.446	-7.014	104.569	1.00	36.17
979		GLN		127	-70.908	-8.312	105.078	1.00	33.91
980		GLN		127	-69.921	-8.823	104.552	1.00	34.78
981		GLN		127	-71.555	-8.866	106.093	1.00	31.99
982		GLN			-74.851	-5.567	103.624	1.00	38.42
983		GLN		127	-74.865	-5.372	102.419	1.00	38.49
984	4 N	TRP	Α	128	-75.953	-5.672	104.347	1.00	38.80
985	5 CA	TRP	Α	128	-77.253	-5.597	103.716	1.00	39.06
986	5 CB	TRP		128	-77.407	-6.733	102.704	1.00	39.48
987	7 CG	TRP		128	-78.784	-6.870	102.181	1.00	40.32
988	CD1	TRP	Α	128	-79.787	-7.620	102.714	1.00	42.04
989	NE1	TRP	Α	128	-80.930	-7.482	101.963	1.00	43.55
990	CE2	TRP	Α	128	-80.672	-6.636	100.917	1.00	42.36
991	L CD2	TRP	Α	128	-79.328	-6.231	101.026	1.00	41.21
992	2 CE3	TRP	Α	128	-78.815	-5.355	100.068	1.00	42.04
993	CZ3	TRP	Α	128	-79.635	-4.924	99.054	1.00	42.24
994	4 CH2	TRP	Α	128	-80.968	-5.348	98.973	1.00	44.12
995	5 CZ2	TRP	Α	128	-81.502	-6.206	99.893	1.00	42.48
996	5 C	TRP	Α	128	-78.340	-5.668	104.763	1.00	39.04
997	7 0	TRP	Α	128	-78.176	-6.312	105.797	1.00	39.07
998	3 N	VAL	Α	129	-79.449	-4.993	104.501	1.00	39.22
999	O CA	VAL	Α	129	-80.573	-5.012	105.421	1.00	39.73
1000	CB	VAL	Α	129	-80.561	-3.768	106.370	1.00	39.67
1001	CG1	VAL	Α	129	-81.267	-2.598	105.736	1.00	39.95
1002	CG2	VAL	Α	129	-79.147	-3.363	106.726	1.00	39.92
1003	3 C	VAL	Α	129	-81.874	-4.996	104.638	1.00	39.96
1004	1 0	VAL	Α	129	-81.929	-4.494	103.519	1.00	39.45
1005	5 N	THR	Α	130	-82.931	-5.545	105.218	1.00	40.74
1006		THR		130	-84.229	-5.427	104.584	1.00	41.45
1007		THR		130	-84.362	-6.373	103.381	1.00	41.93
1008		THR		130	-85.650	-6.188	102.773	1.00	43.29
1009		THR		130	-84.389	-7.832	103.834	1.00	41.38
1010				130	-85.395	-5.615	105.543		41.98

FIGURE 3T

A	В	С	D	E	F		G	Н	I	J
1011	0	THR	А	130	-85.3	39 -6	.402	106.496	1.00	41.50
1012	N	TRP			-86.4		872	105.270		
1013	CA	TRP			-87.6		980	106.034		43.30
1014	CB	TRP			-88.6		.829	105.675		43.34
1015	CG	TRP			-88.1		.480	106.045		43.96
1016	CD1	TRP			-87.7		485	105.192		43.49
1017	NE1	TRP			-87.3		370	105.89		43.73
1018	CE2	TRP			-87.5		624	107.23		44.47
1019	CD2	TRP			-87.9		948	107.36		44.17
1020	CE3	TRP			-88.1		455	108.652		45.01
1021	CZ3	TRP			-87.9		639	109.752		45.89
1022	CH2	TRP			-87.4		.328	109.586		44.65
1023	CZ2	TRP			-87.2		198	108.343		44.48
1024	C	TRP			-88.3		.275	105.670		
1025	0	TRP			-88.2		.757	104.54		44.08
1026	N	SER	А	132	-89.1	20 -6	837	106.623		44.16
1027	CA	SER			-89.9		.983	106.335		44.80
1028	CB	SER	Α	132	-90.5	32 -8	.510	107.636		45.09
1029	OG	SER	Α	132	-90.8	94 -7	.434	108.493		46.47
1030	C	SER	Α	132	-91.0	33 -7	.442	105.413	1.00	44.95
1031	0	SER	А	132	-91.2	72 -6	.243	105.413	3 1.00	45.46
1032	N	PRO	Α	133	-91.6	96 -8	.294	104.633	1.00	45.04
1033	CA	PRO			-92.6		.830	103.660		45.04
1034	CB	PRO	Α	133	-93.1	23 -9	.112	102.930	1.00	44.91
1035	CG	PRO	Α	133	-92.1	09 -10	.135	103.279	1.00	45.39
1036	CD	PRO	Α	133	-91.5		.759	104.643	3 1.00	45.43
1037	C	PRO	Α	133	-93.9	13 -7	.165	104.314	1.00	45.29
1038	0	PRO	Α	133	-94.5	53 -6	.316	103.699	1.00	45.33
1039	N	VAL	Α	134	-94.2	53 -7	.565	105.533	3 1.00	45.55
1040	CA	VAL	Α	134	-95.3	00 -6	868	106.273	1.00	45.72
1041	CB	VAL	Α	134	-96.5	63 -7	.734	106.505	1.00	45.84
1042	CG1	VAL	Α	134	-96.9	33 -8	.533	105.245	1.00	46.77
1043	CG2	VAL	Α	134	-96.3	58 -8	.668	107.670	1.00	46.13
1044	C	VAL	Α	134	-94.7		.474	107.60		45.52
1045	0	VAL			-93.7		.075	108.03		45.73
1046	N	GLY	Α	135	-95.2		. 455	108.25	1.00	45.50
1047	CA	GLY	Α	135	-94.8		.049	109.569	1.00	45.25
1048	C	GLY			-93.5		.252	109.56		45.44
1049	0	GLY			-93.2		.438	108.673		45.45
1050	N	HIS			-92.6		.471	110.568		45.65
1051	CA	HIS			-91.4		.758	110.635		45.56
1052	CB	HIS			-91.5		.444	111.416		45.75
1053	CG	HIS			-92.2		.597	112.735		47.21
1054	ND1	HIS			-93.5		.303	112.912		47.51
1055	CE1	HIS			-93.9		.538	114.168		48.81
1056	NE2	HIS			-92.8		.981	114.81		48.63
1057	CD2	HIS			-91.7		.030			47.97
1058	С	HIS			-90.2		.600	111.190		44.87
1059	0	HIS			-89.2		.065	111.72		44.84
1060	N	LYS			-90.3		.915	111.07		44.39
1061	CA	LYS	Α	137	-89.2	18 -6	.752	111.42	7 1.00	44.14

FIGURE 3U

1062 CB	A	В	C D	E	F	G	H	I	J
1063 CG									
1065 CE	1062	CB	LYS A	137	-89.525	-8.234	111.221	1.00	44.38
1065 CE	1063	CG	LYS A	137	-90.517	-8.825	112.212	1.00	45.40
1065 CE					-90.881	-10.260	111.834	1.00	46.13
1066 NZ									
1066									
1068									
1009									
1070 CA									
1071 CB									
1072 CG									
1073 CD1 LEU A 138									
1074 CD2									
1075									
1076									
1077									
1078 CA									
1079 CB									
1080 C									
1081									
1082 N									
1083 CA									
1084 CB									
1085 CG									
1086 CD1 TYR A 140 -77.596 -6.445 10.597 1.00 38.79									
1087 CE1									
1088 C2									
1089 OH									
1090 CE2									
1091 CD2 TYR A 140 -79.863 -5.906 111.103 1.00 39.64 1092 C TYR A 140 -78.356 -8.495 108.275 1.00 34.75 1093 O TYR A 140 -78.356 -8.495 108.275 1.00 34.18 1095 CA VAL A 141 -77.334 -9.082 107.468 1.00 34.18 1096 CB VAL A 141 -77.334 -9.082 107.468 1.00 34.13 1097 CG1 VAL A 141 -75.896 -9.751 106.106 1.00 33.42 1098 CG2 VAL A 141 -77.897 -9.751 106.106 1.00 33.42 1099 CG VAL A 141 -74.877 -10.893 106.245 1.00 32.42 1099 C VAL A 141 -74.877 -10.893 106.245 1.00 32.42 1100 O VAL A 141 -74.877 -7.150 107.251 1.00 33.33 1101 N TRP A 142 -74.177 -7.150 107.251 1.00 33.33 1102 CA TRP A 142 -72.984 -7.935 109.170 1.00 35.47 1103 CB TRP A 142 -72.236 -6.359 110.983 1.00 35.47 1105 CD1 TRP A 142 -71.680 -5.237 110.472 1.00 36.60 1105 CD2 TRP A 142 -70.502 -5.694 112.307 1.00 38.61 1108 CD2 TRP A 142 -71.494 -6.675 112.160 1.00 38.36 1101 CE3 TRP A 142 -71.574 -7.691 113.118 1.00 40.02 1110 CZ3 TRP A 142 -71.574 -7.691 113.118 1.00 40.02 1110 CZ3 TRP A 142 -70.677 -7.691 113.118 1.00 40.02 1110 CZ3 TRP A 142 -70.677 -7.691 114.284 1.00 40.02									
1092 C									
1093 O									
1094 N									
1095 CA									
1096 CB									
1098 CG1 VAL A 141 -77.211 -10.262 105.541 1.00 31.77 1098 CG2 VAL A 141 -74.877 -10.893 106.245 1.00 32.42 1099 C VAL A 141 -74.947 -8.226 107.804 1.00 33.43 1100 0 VAL A 141 -74.775 -7.150 107.251 1.00 33.33 1101 N TRP A 142 -74.117 -8.713 108.716 1.00 34.55 1103 CB TRP A 142 -72.984 -7.935 109.170 1.00 35.09 1104 CG TRP A 142 -72.236 -6.359 110.983 1.00 35.69 1105 CD1 TRP A 142 -71.680 -5.237 110.472 1.00 36.60 1106 NEI TRP A 142 -70.639 -4.817 111.262 1.00 38.61 1108 CD2 TRP A 142 -70.502 -5.694 112.307 1.00 38.61 1109 CE3 TRP A 142 -71.574 -7.691 113.118 1.00 40.02 1110 CZ3 TRP A 142 -71.574 -7.691 113.118 1.00 40.03 1111 CR3 TRP A 142 -66.704 -6.702 114.284 1.00 40.03 1111 CR3 TRP A 142 -69.704 -6.702 114.284 1.00 40.03									
1098 CG2 VAL A 141 -74.877 -10.893 106.245 1.00 32.42 1099 C VAL A 141 -74.877 -10.893 106.245 1.00 32.42 107.804 1.00 33.33 1100 N TRP A 142 -74.775 -7.150 107.251 1.00 33.33 1101 N TRP A 142 -74.117 -8.713 108.716 1.00 34.55 1102 CA TRP A 142 -72.984 -7.935 109.170 1.00 35.47 1104 CG TRP A 142 -73.376 -7.128 110.417 1.00 35.47 1105 CD TRP A 142 -72.236 -6.359 110.983 1.00 35.67 1106 NE1 TRP A 142 -71.680 -5.237 110.472 1.00 36.60 1106 NE1 TRP A 142 -70.503 -4.817 111.262 1.00 38.27 1109 CE3 TRP A 142 -70.502 -5.694 112.307 1.00 38.61 1108 CD2 TRP A 142 -71.494 -6.675 112.160 1.00 38.36 110 CE3 TRP A 142 -71.574 -7.691 113.118 1.00 40.02 1110 CE3 TRP A 142 -70.677 -7.690 114.170 1.00 40.38 1111 CE3 TRP A 142 -69.704 -6.702 114.284 1.00 40.024 1.00 38.26 1111 CE3 TRP A 142 -69.704 -6.702 114.284 1.00 40.024 1.00 38.26 1.00 38.26 3									
1099 C									
1100 0									
1101 N TRP A 142 -74.117 -8.713 108.716 1.00 34.55 1102 CA TRP A 142 -72.984 -7.935 109.170 1.00 35.09 1103 CB TRP A 142 -73.376 -7.128 110.417 1.00 35.47 1104 CG TRP A 142 -72.236 -6.359 110.983 1.00 35.69 1105 CD1 TRP A 142 -71.236 -5.237 110.472 1.00 36.69 1106 NE1 TRP A 142 -70.639 -4.817 111.262 1.00 38.27 1107 CEZ TRP A 142 -70.502 -5.694 112.307 1.00 38.61 1108 CD2 TRP A 142 -71.594 -6.675 112.160 1.00 38.36 1109 CB3 TRP A 142 -71.574 -7.691 113.118 1.00 40.02 1110 C23 TRP A 142 -70.677 -7.690 114.170 1.00 40.38 1111 CH2 TRP A 142 -69.704 -6.702 114.284 1.00 40.24									
1102 CA TRP A 142 -72.984 -7.935 109.170 1.00 35.09 1104 CG TRP A 142 -72.236 -6.339 110.983 1.00 35.47 1105 CD1 TRP A 142 -71.2860 -5.237 110.472 1.00 36.60 1105 NB1 TRP A 142 -71.680 -5.237 110.472 1.00 36.60 1106 NB1 TRP A 142 -70.639 -4.817 111.262 1.00 38.27 1107 CE2 TRP A 142 -70.502 -5.694 112.307 1.00 38.61 1108 CD2 TRP A 142 -71.494 -6.675 112.160 1.00 38.36 1109 CE3 TRP A 142 -71.574 -7.691 113.118 1.00 40.02 1110 CZ3 TRP A 142 -70.577 -7.690 114.170 1.00 40.38 1111 CR2 TRP A 142 -6.97.04 -6.702 114.284 1.00 40.24									
1103 CB TRP A 142 -73.376 -7.128 110.417 1.00 35.47 1104 CG TRP A 142 -72.236 -6.359 110.993 1.00 35.69 1105 CD1 TRP A 142 -71.680 -5.237 110.472 1.00 36.60 1106 NE1 TRP A 142 -70.639 -48.17 111.262 1.00 38.27 110 CE2 TRP A 142 -70.502 -5.694 112.307 1.00 38.36 1109 CE3 TRP A 142 -71.594 -6.675 112.160 1.00 38.36 110 CE3 TRP A 142 -71.574 -7.691 113.118 1.00 40.02 1110 CE3 TRP A 142 -70.677 -7.690 114.170 1.00 40.38 1111 CH2 TRP A 142 -69.704 -6.702 114.284 1.00 40.24									
1104 CG TRP A 142 -72.236 -6.359 110.983 1.00 35.69 110.5 CD1 TRP A 142 -71.680 -5.237 110.472 1.00 36.60 1106 NE1 TRP A 142 -70.639 -4.817 111.262 1.00 38.27 1107 CE2 TRP A 142 -70.502 -5.694 112.307 1.00 38.61 1108 CD2 TRP A 142 -71.594 -6.675 112.160 1.00 38.36 1109 CE3 TRP A 142 -71.574 -7.691 113.118 1.00 40.02 1110 C23 TRP A 142 -70.677 -7.690 114.170 1.00 40.38 1111 CR2 TRP A 142 -69.704 -6.702 114.284 1.00 40.38									
1105 CD1 TRP A 142									
1106 NE1 TRP A 142 -70.639 -4.817 111.262 1.00 38.27 1107 CE2 TRP A 142 -70.502 -5.694 112.307 1.00 38.61 1108 CD2 TRP A 142 -71.494 -6.675 112.160 1.00 38.36 1109 CE3 TRP A 142 -71.574 -7.691 113.118 1.00 40.02 1110 CZ3 TRP A 142 -70.677 -7.690 114.170 1.00 40.38 1111 CH2 TRP A 142 -69.704 -6.702 114.284 1.00 40.24									
1107 CE2 TRP A 142 -70.502 -5.694 112.307 1.00 38.61 1108 CD2 TRP A 142 -71.494 -6.675 112.160 1.00 38.36 1109 CE3 TRP A 142 -71.574 -7.691 113.118 1.00 40.02 1110 C23 TRP A 142 -70.677 -7.691 113.118 1.00 40.38 1111 CH2 TRP A 142 -69.704 -6.702 114.284 1.00 40.24									
1108 CD2 TRP A 142 -71.494 -6.675 112.160 1.00 38.36 1109 CB3 TRP A 142 -71.574 -7.691 113.118 1.00 40.02 1110 CZ3 TRP A 142 -70.677 -7.690 114.170 1.00 40.38 1111 CH2 TRP A 142 -69.704 -6.702 114.284 1.00 40.24									
1109 CE3 TRP A 142 -71.574 -7.691 113.118 1.00 40.02 1110 C23 TRP A 142 -70.677 -7.690 114.170 1.00 40.38 1111 CH2 TRP A 142 -69.704 -6.702 114.284 1.00 40.24									
1110 CZ3 TRP A 142 -70.677 -7.690 114.170 1.00 40.38 1111 CH2 TRP A 142 -69.704 -6.702 114.284 1.00 40.24									
1111 CH2 TRP A 142 -69.704 -6.702 114.284 1.00 40.24									

FIGURE 3V

A	В	С	D	E		F	G	H	I	J
1113	С	TRP	А	142	-71	. 855	-8.883	109.483	1.00	35.15
1114	0	TRP	А	142	-72	.018	-9.831	110.256	1.00	35.26
1115	N			143	-70		-8.626	108.904	1.00	
1116	CA			143	-69		-9.572	109.029	1.00	
1117	CB			143	-69		-9.634	110.454		36.25
1118	CG			143	-68		-8.455	110.785		38.65
1119	OD1			143		501		111.833	1.00	42.03
1120	ND2			143		.117	-7.471	109.896	1.00	40.07
1121	C			143	-70		-10.954	108.566	1.00	35.13
1122	ŏ			143		.748	-11.944	109.206	1.00	35.06
1123	N			144			-11.001	107.448	1.00	
1124	CA			144		.161	-12.263	106.866	1.00	34.63
1124	CB			144		.933	-13.086	106.519	1.00	
1126						.222	-12.572	105.289	1.00	35.19
1127	CG OD1			144			-13.363	103.289	1.00	36.37
1128							-11.243			
	ND2			144						32.83
1129	C			144	-72		-13.065	107.732	1.00	
1130	0			144		.353	-14.247	107.491	1.00	
1131	N			145		.673	-12.434	108.754	1.00	34.98
1132	CA			145	-73		-13.107	109.555	1.00	35.75
1133	CB			145		.203		110.979	1.00	35.92
1134	CG			145			-14.559		1.00	
1135	OD1			145		.412	-14.583	111.889		36.17
1136	OD2			145	-72		-15.564	110.409	1.00	36.92
1137	С			145			-12.394		1.00	
1138	0			145				109.378	1.00	36.11
1139	N			146			-13.170		1.00	36.79
1140	CA			146			-12.627	109.525		37.78
1141	CB			146			-13.631	108.844	1.00	
1142	CG1			146		.711	-13.033		1.00	37.36
1143	CD1			146		.724	-13.594	109.517	1.00	36.92
1144	CG2			146			-14.842	109.711	1.00	
1145	C			146		977	-12.280			38.75
1146	0	ILE	Α	146			-12.958		1.00	38.28
1147	N	TYR	Α	147			-11.213			40.52
1148	CA			147			-10.724	112.215	1.00	42.14
1149	CB	TYR	Α	147	-78		-9.492	112.673	1.00	42.05
1150	CG	TYR	Α	147	-77	.167	-9.807	113.182		42.83
1151	CD1	TYR	Α	147	-76	.996	-10.422	114.421	1.00	42.89
1152	CE1	TYR	Α	147		.741	-10.711	114.909	1.00	42.52
1153	CZ	TYR	Α	147	-74	634	-10.393	114.161	1.00	42.62
1154	OH	TYR	Α	147	-73	.397	-10.697	114.656	1.00	41.49
1155	CE2	TYR	Α	147	-74	.772	-9.784	112.916	1.00	42.72
1156	CD2	TYR	Α	147	-76	.035	-9.492	112.438	1.00	42.13
1157	C	TYR	Α	147	-80	768	-10.329	112.039		42.99
1158	0	TYR	Α	147	-81	.113	-9.685	111.052	1.00	42.95
1159	N	VAL	Α	148	-81	606	-10.688	113.011	1.00	44.06
1160	CA	VAL	Α	148	-83	.022	-10.338	112.944	1.00	45.14
1161	CB	VAL	Α	148	-83	.903	-11.584	112.949	1.00	45.03
1162	CG1	VAL	Α	148	-85	.360	-11.205	113.031	1.00	45.30
1163	CG2	VAL	Α	148	-83	637	-12.414	111.698	1.00	45.09

FIGURE 3W

1164 C VAL A 148 -83.429 -9.390 114.073 1.00 46 1165 O VAL A 148 -83.252 -9.689 115.258 1.00 46 1166 N LYS A 149 -83.957 -8.233 113.690 1.00 47 1167 CA LYS A 149 -84.401 -7.228 114.645 1.00 47 1168 CB LYS A 149 -83.814 -5.867 114.271 1.00 47 1169 CG LYS A 149 -83.796 -4.834 115.386 1.00 48 1170 CD LYS A 149 -83.786 -3.461 114.882 1.00 48 1171 CE LYS A 149 -81.806 -3.244 115.044 1.00 48	6.32 7.01 7.78 7.98 8.59 8.37 8.67 0.63 8.43 8.72 9.09 9.77 0.25
1165 0 VAL A 148 -83.252 -9.689 115.258 1.00 46 1166 N LYS A 149 -83.957 -8.233 113.090 1.00 47 1167 CA LYS A 149 -84.401 -7.228 114.645 1.00 47 1168 CB LYS A 149 -83.814 -5.867 114.271 1.00 47 1169 CG LYS A 149 -83.796 -4.834 115.386 1.00 48 1170 CD LYS A 149 -83.370 -3.461 114.882 1.00 48	6.32 7.01 7.78 7.98 8.59 8.37 8.67 0.63 8.43 8.72 9.09 9.77 0.25
1166 N LYS A 149 -83.957 -8.233 113.690 1.00 47 1168 CB LYS A 149 -84.401 -7.228 114.645 1.00 47 1169 CB LYS A 149 -83.814 -5.867 114.271 1.00 47 1170 CD LYS A 149 -83.796 -4.834 115.386 1.00 48 1170 CD LYS A 149 -83.370 -3.461 114.882 1.00 48	7.01 7.78 7.98 8.59 8.37 8.67 0.63 8.43 8.72 9.09 9.77 0.25
1167 CA LYS A 149 -84.401 -7.228 114.645 1.00 47 1168 CB LYS A 149 -83.814 -5.867 114.271 1.00 47 1169 CG LYS A 149 -83.796 -4.834 115.386 1.00 48 1170 CD LYS A 149 -83.370 -3.461 114.882 1.00 48	7.78 7.98 8.59 8.37 8.67 0.63 8.43 8.72 9.09 9.77 0.25
1168 CB LYS A 149 -83.814 -5.867 114.271 1.00 47 1169 CG LYS A 149 -83.796 -4.834 115.386 1.00 48 1170 CD LYS A 149 -83.370 -3.461 114.882 1.00 48	7.98 8.59 8.37 8.67 0.63 8.43 8.72 9.09 9.77 0.25
1169 CG LYS A 149 -83.796 -4.834 115.386 1.00 48 1170 CD LYS A 149 -83.370 -3.461 114.882 1.00 48	8.59 8.37 8.67 0.63 8.43 8.72 9.09 9.77 0.25
1170 CD LYS A 149 -83.370 -3.461 114.882 1.00 48	8.37 8.67 0.63 8.43 8.72 9.09 9.77 0.25
	8.67 0.63 8.43 8.72 9.09 9.77 0.25
1171 CE LYS A 149 -81.886 -3.244 115.044 1.00 48	0.63 8.43 8.72 9.09 9.77 0.25
	8.43 8.72 9.09 9.77 0.25
1172 NZ LYS A 149 -81.544 -3.000 116.472 1.00 50	8.72 9.09 9.77 0.25
	9.09 9.77 0.25
1174 O LYS A 149 -86.530 -6.861 113.594 1.00 48	9.77 0.25
	0.25
1176 CA ILE A 150 -88.001 -7.667 115.830 1.00 49	
1178 CG1 ILE A 150 -87.736 -7.754 118.326 1.00 51	
1179 CD1 ILE A 150 -86.195 -7.767 118.325 1.00 51	
1180 CG2 ILE A 150 -87.976 -9.892 116.978 1.00 50	
1181 C ILE A 150 -88.671 -6.312 115.862 1.00 49	9.79
	9.84
1183 N GLU A 151 -88.046 -5.390 116.577 1.00 50	0.04
1184 CA GLU A 151 -88.513 -4.023 116.697 1.00 50	0.13
1185 CB GLU A 151 -89.149 -3.780 118.071 1.00 50	0.27
1186 CG GLU A 151 -90.371 -4.640 118.362 1.00 49	9.88
1187 CD GLU A 151 -91.618 -4.118 117.678 1.00 49	9.38
1188 OE1 GLU A 151 -91.578 -2.989 117.156 1.00 48	8.43
1189 OE2 GLU A 151 -92.644 -4.827 117.676 1.00 49	9.86
1190 C GLU A 151 -87.254 -3.202 116.564 1.00 50	0.33
1191 O GLU A 151 -86.206 -3.577 117.077 1.00 50	0.83
1192 N PRO A 152 -87.341 -2.097 115.853 1.00 50	0.40
1193 CA PRO A 152 -86.184 -1.246 115.624 1.00 50	0.75
1194 CB PRO A 152 -86.816 0.029 115.089 1.00 50	0.38
1195 CG PRO A 152 -87.986 -0.456 114.360 1.00 50	0.14
1196 CD PRO A 152 -88.545 -1.586 115.181 1.00 50	0.32
1197 C PRO A 152 -85.340 -0.953 116.859 1.00 51	1.47
1198 O PRO A 152 -84.134 -0.773 116.705 1.00 51	1.55
1199 N ASN A 153 -85.933 -0.918 118.052 1.00 52	2.26
1200 CA ASN A 153 -85.167 -0.520 119.237 1.00 53	3.02
1201 CB ASN A 153 -85.897 0.580 120.019 1.00 53	3.29
1202 CG ASN A 153 -87.350 0.223 120.327 1.00 54	4.92
1203 OD1 ASN A 153 -88.248 1.060 120.183 1.00 56	6.44
1204 ND2 ASN A 153 -87.589 -1.019 120.753 1.00 55	5.59
1205 C ASN A 153 -84.745 -1.637 120.175 1.00 53	3.24
1206 O ASN A 153 -84.162 -1.387 121.234 1.00 53	3.24
1207 N LEU A 154 -85.026 -2.873 119.784 1.00 53	3.27
1208 CA LEU A 154 -84.684 -4.013 120.619 1.00 53	
	3.63
	5.32
	6.83
1212 CD2 LEU A 154 -86.812 -4.308 122.813 1.00 56	
1213 C LEU A 154 -83.387 -4.689 120.181 1.00 53	
1214 O LEU A 154 -82.923 -4.518 119.049 1.00 53	

FIGURE 3X

	53.45 53.26
	53.26
	53.35
	53.64
	53.41
	52.99
	53.22
1222 N SER A 156 -80.964 -7.378 118.673 1.00	
	51.46
1224 CB SER A 156 -80.487 -7.649 116.283 1.00	
	51.78
	51.06
	51.10
	50.44
1229 CA TYR A 157 -81.215 -11.924 117.298 1.00	
	50.52
1231 CG TYR A 157 -83.544 -12.452 118.145 1.00	
	52.56
	53.17
1234 CZ TYR A 157 -85.561 -11.867 119.964 1.00	
	52.91
	52.57
	51.02
	49.68
1239 O TYR A 157 -80.292 -11.948 115.089 1.00	50.00
1240 N ARG A 158 -79.183 -13.070 116.694 1.00	48.95
1241 CA ARG A 158 -78.107 -13.512 115.824 1.00	48.21
1242 CB ARG A 158 -76.844 -13.680 116.663 1.00	48.35
1243 CG ARG A 158 -75.588 -13.015 116.132 1.00	49.45
1244 CD ARG A 158 -74.655 -13.936 115.375 1.00	51.05
1245 NE ARG A 158 -73.256 -13.578 115.577 1.00	52.28
1246 CZ ARG A 158 -72.238 -14.324 115.177 1.00	52.78
1247 NH1 ARG A 158 -72.468 -15.459 114.543 1.00	53.84
1248 NH2 ARG A 158 -70.992 -13.941 115.402 1.00	52.41
1249 C ARG A 158 -78.518 -14.870 115.261 1.00	47.44
1250 O ARG A 158 -78.593 -15.854 116.005 1.00	47.08
1251 N ILE A 159 -78.798 -14.938 113.961 1.00	46.07
1252 CA ILE A 159 -79.180 -16.224 113.376 1.00	44.90
1253 CB ILE A 159 -80.110 -16.066 112.158 1.00	45.17
1254 CG1 ILE A 159 -81.435 -15.453 112.585 1.00	46.03
1255 CD1 ILE A 159 -81.317 -14.038 113.009 1.00	47.93
1256 CG2 ILE A 159 -80.395 -17.423 111.531 1.00	44.66
1257 C ILE A 159 -78.000 -17.117 113.031 1.00	43.77
1258 O ILE A 159 -78.067 -18.313 113.256 1.00	43.48
	42.82
	41.89
1261 CB THR A 160 -75.548 -17.427 110.570 1.00	41.94
	40.16
1263 CG2 THR A 160 -76.847 -17.747 109.846 1.00	41.17
	42.02
	41.74

FIGURE 3Y

A	В	C	D	Е		F	G	H	I	J
1266	N	TRP	А	161	-73.	685	-18.049	113.070	1.00	42.13
1267	CA			161				113.757	1.00	42.46
1268	CB			161			-18.640		1.00	
1269	CG			161			-18.191	115.971		44.48
1270	CD1			161	-74.		-18.537	115.890		44.57
1271	NE1			161			-17.916	116.885		46.73
1272	CE2			161				117.628	1.00	46.56
1273	CD2			161			-17.286	117.020	1.00	45.80
1274	CE3			161			-16.594	117.667	1.00	47.87
1275	CZ3			161			-15.789			49.17
1276	CH2			161			-15.665			48.33
1277	CZ2			161			-16.332	118.740	1.00	47.92
1277	C			161	-71.					42.59
1279	0							113.348		42.82
1279	N			161 162				111.628	1.00	42.02
1281	CA			162			-19.189			42.09
1282	CB			162			-20.358			42.15
1283	OG1			162			-19.961	109.317		41.11
1284	CG2			162	-71.		-21.460	110.933		41.82
1285	С			162			-18.173			42.26
1286	0			162			-18.436			42.12
1287	N			163			-17.006			42.24
1288	CA			163				108.806		42.31
1289	C			163			-15.837	108.924		42.51
1290	0			163			-15.969			42.49
1291	N			164				107.802		42.68
1292	CA			164			-15.370			42.76
1293	CB			164			-16.688	108.049		42.94
1294	CG			164			-16.547	108.226	1.00	44.49
1295	CD			164	-63.		-17.917	108.351	1.00	46.77
1296	CE			164	-61.		-17.787	108.548	1.00	49.88
1297	NZ			164			-19.118	108.757	1.00	51.18
1298	C			164	-65.		-14.762	106.464		42.70
1299	0	LYS	Α	164			-15.307	105.383		42.37
1300	N	GLU	Α	165	-65.		-13.635	106.560		42.30
1301	CA			165	-64.		-12.920	105.387	1.00	42.55
1302	CB	GLU	Α	165	-63.		-11.860	105.775		43.00
1303	CG	GLU	Α	165	-63.	508	-10.805	104.693		47.10
1304	CD	GLU	Α	165	-63.	223	-9.423	105.267	1.00	51.85
1305	OE1	GLU	Α	165	-62.	996	-9.330	106.500	1.00	53.85
1306	OE2	GLU	Α	165	-63.	240	-8.431	104.492	1.00	52.18
1307	C	GLU	Α	165	-64.	212	-13.844	104.289	1.00	41.45
1308	0	GLU	Α	165	-63.	462	-14.780	104.562	1.00	41.15
1309	N			166	-64.		-13.582	103.055		40.25
1310	CA	ASN	Α	166	-64.	195	-14.322	101.869	1.00	39.54
1311	CB	ASN	Α	166	-62.	725	-14.021	101.543	1.00	39.34
1312	CG	ASN	Α	166	-62.	453	-12.559	101.326	1.00	39.10
1313	OD1	ASN	Α	166	-63.	322	-11.806	100.916	1.00	38.31
1314	ND2	ASN	Α	166	-61.	224	-12.144	101.610	1.00	40.88
1315	С	ASN	Α	166	-64.	339	-15.836	101.932	1.00	39.07
1316	0	ASN	Α	166	-63.	831	-16.536	101.052	1.00	39.78

FIGURE 3Z

A	В	C	D E	F	G	H	I	J
1317	N	ILE .			-16.358		1.00	38.18
1318	CA	ILE .			-17.803		1.00	37.29
1319	CB		A 167		-18.247	104.321	1.00	37.48
1320	CG1	ILE .			-18.297	103.934		38.20
1321	CD1	ILE .			-16.953	103.935	1.00	41.85
1322	CG2	ILE .			-19.638	104.744		37.49
1323	C	ILE .			-18.335	103.276	1.00	36.51
1324	0		A 167		-19.231	102.536	1.00	36.19
1325	N	ILE .			-17.838	104.266	1.00	35.61
1326	CA	ILE .			-18.251	104.349	1.00	34.54
1327	CB	ILE .			-19.320			34.98
1328	CG1		A 168		-18.813	106.473	1.00	
1329	CD1	ILE .			-19.872	106.786	1.00	
1330	CG2	ILE .			-20.007	106.017	1.00	
1331	С	ILE .			-17.076	104.402	1.00	
1332	0	ILE .			-16.113			33.42
1333	N	TYR .			-17.145		1.00	
1334	CA	TYR .			-16.057	103.451		31.27
1335	CB	TYR .			-15.535	102.006	1.00	31.08
1336	CG	TYR .			-15.218	101.327		29.82
1337	CD1	TYR .			-16.224	100.988		29.95
1338	CE1	TYR .			-15.930	100.344	1.00	
1339	CZ	TYR .			-14.623	100.024		26.49
1340	OH	TYR .			-14.309	99.401		26.74
1341	CE2	TYR .			-13.619			26.91
1342	CD2	TYR .			-13.915			28.85
1343	C	TYR .			-16.542	103.833	1.00	
1344	0	TYR .			-17.402	103.150		31.35
1345	N	ASN .			-15.995	104.910		30.37
1346	CA	ASN .			-16.300			29.55
1347	CB	ASN .			-16.591	106.741		29.56
1348	CG	ASN .			-17.721	107.210		30.27
1349	OD1	ASN .			-18.895	106.942		33.44
1350	ND2	ASN .			-17.382	107.883		27.98
1351	С	ASN .			-15.088			29.05
1352	0	ASN .			-13.982	105.169		28.88
1353	N	GLY .			-15.294			28.81
1354	CA	GLY .			-14.191	103.819		27.99
1355	С	GLY .			-13.255	102.730		27.59
1356	0	GLY .			-12.359	102.329		27.39
1357	N	ILE .			-13.443	102.270	1.00	
1358	CA	ILE .			-12.650	101.167		26.43
1359	CB	ILE .			-11.503			26.40
1360	CG1	ILE .			-12.055			25.64
1361	CD1	ILE .			-11.015	103.223		26.18
1362	CG2	ILE .			-10.351	102.259		24.00
1363	С	ILE .			-13.559	100.199	1.00	
1364	0	ILE .			-14.608			26.82
1365	N	THR .			-13.137	98.946		25.63
1366	CA	THR .			-13.911	97.909		25.74
1367	CB	THR .	A 173	-74.403	-13.579	96.500	1.00	25.82

FIGURE 3 AA

A	В	C D	E	F	G	H	I	J
1368	OG1	THR A	173	-74.590	-12.161	96.348	1.00	25.46
1369	CG2	THR A	173	-75.815	-14.126	96.355	1.00	26.31
1370	C	THR A	173	-72.316	-13.633	97.848	1.00	25.51
1371	0	THR A	173	-71.849	-12.581	98.293	1.00	25.26
1372	N	ASP A	174	-71.564	-14.579	97.286	1.00	24.69
1373	CA	ASP A	174	-70.169	-14.323	96.987	1.00	23.44
1374	CB	ASP A	174	-69.342	-15.601	97.037	1.00	23.91
1375	CG	ASP A	174	-69.644	-16.559	95.889	1.00	23.96
1376	OD1	ASP A	174	-68.810	-17.441	95.624	1.00	24.39
1377	OD2	ASP A	174	-70.665	-16.512	95.188	1.00	24.49
1378	C	ASP A	174	-70.157	-13.671	95.586	1.00	23.53
1379	0	ASP A	174	-71.220	-13.371	95.010	1.00	22.50
1380	N	TRP A	175		-13.451	95.044	1.00	22.89
1381	CA	TRP A	175	-68.836	-12.761	93.777	1.00	23.07
1382	CB	TRP A	175	-67.351	-12.556	93.392	1.00	22.86
1383	CG	TRP A	175	-67.240	-11.574	92.296	1.00	22.35
1384	CD1	TRP A	175	-66.973	-10.237	92.411	1.00	21.88
1385	NE1	TRP A	175	-66.983	-9.645	91.174	1.00	19.08
1386	CE2	TRP A	175	-67.287	-10.589	90.234	1.00	20.41
1387	CD2	TRP A	175	-67.452	-11.819	90.909	1.00	20.68
1388	CE3	TRP A	175	-67.762	-12.958	90.158	1.00	19.38
1389	CZ3	TRP A	175	-67.904	-12.840	88.789	1.00	18.17
1390	CH2	TRP A	175	-67.739	-11.602	88.152	1.00	18.32
1391	CZ2	TRP A	175	-67.442	-10.465	88.860	1.00	19.82
1392	С	TRP A	175	-69.674	-13.335	92.629	1.00	23.58
1393	0	TRP A	175	-70.501	-12.615	92.045	1.00	23.56
1394	N	VAL A	176	-69.508	-14.620	92.305	1.00	24.17
1395	CA	VAL A	176	-70.285	-15.171	91.183	1.00	24.60
1396	CB	VAL A	176	-69.889	-16.608	90.758	1.00	24.92
1397	CG1	VAL A	176	-69.363	-17.391	91.915	1.00	24.13
1398	CG2	VAL A	176	-68.944	-16.592	89.570	1.00	26.39
1399	C	VAL A	176	-71.778	-15.246	91.421	1.00	24.61
1400	0	VAL A	176	-72.561	-15.120	90.497	1.00	24.85
1401	N	TYR A	177	-72.192	-15.527	92.636	1.00	24.68
1402	CA	TYR A	177	-73.620	-15.614	92.844	1.00	24.97
1403	CB	TYR A	177	-73.935	-16.238	94.186	1.00	24.65
1404	CG	TYR A	177	-74.217	-17.728	94.115	1.00	25.96
1405	CD1	TYR A	177	-73.194	-18.654	94.217	1.00	23.76
1406	CE1	TYR A	177	-73.452	-19.996	94.189	1.00	24.52
1407	CZ	TYR A	177	-74.742	-20.445	94.054	1.00	25.24
1408	OH	TYR A	177	-74.997	-21.797	94.034	1.00	25.72
1409	CE2	TYR A	177	-75.781	-19.557	93.946	1.00	25.19
1410	CD2	TYR A	177	-75.517	-18.201	93.976	1.00	25.89
1411	C	TYR A	177	-74.233	-14.242	92.703	1.00	25.10
1412	0	TYR A	177	-75.323	-14.097	92.154	1.00	25.83
1413	N	GLU A	178	-73.519	-13.224	93.173	1.00	25.59
1414	CA	GLU A	178	-73.982	-11.850	93.002	1.00	25.82
1415	CB	GLU A	178	-73.100	-10.862	93.757	1.00	25.04
1416	CG	GLU A	178	-73.480	-9.422	93.474	1.00	24.82
1417	CD	GLU A	178	-72.587	-8.419	94.194	1.00	25.14
1418	OE1	GLU A	178	-72.633	-7.241	93.826	1.00	24.27

FIGURE 3 AB

A	В	C	D	E	F	G	H	I	J
					T		05 110		
1419	OE2	GLU			-71.830		95.113		24.44
1420	C	GLU				-11.430	91.538		25.79
1421	0	GLU				-10.894	91.055		26.81
1422	N	GLU				-11.647	90.821		25.86
1423	CA	GLU				-11.152	89.459		26.21
1424	CB	GLU				-10.862	88.991		26.17
1425	CG	GLU				-10.505	87.515	1.00	
1426	CD	GLU			-71.966		87.159		27.41
1427	OE1	GLU			-72.110		85.957	1.00	29.41
1428	OE2	GLU			-72.289		88.072		26.56
1429	C	GLU	Α	179	-73.640	-12.048	88.466	1.00	26.94
1430	0	GLU	Α	179	-74.304	-11.546	87.578	1.00	26.77
1431	N	GLU	Α	180	-73.576	-13.363	88.651	1.00	27.47
1432	CA	GLU	Α	180	-74.085	-14.253	87.624	1.00	29.07
1433	CB	GLU	Α	180	-72.977	-15.211	87.157	1.00	28.09
1434	CG	GLU	Α	180	-71.662	-14.511	86.822	1.00	27.82
1435	CD	GLU	Α	180	-71.669	-13.738	85.506	1.00	26.85
1436	OE1	GLU	Α	180	-72.753	-13.533	84.925	1.00	24.69
1437	OE2	GLU	Α	180	-70.562	-13.360	85.039	1.00	27.42
1438	C	GLU	Α	180	-75.377	-15.015	87.888	1.00	30.75
1439	Ō	GLU			-76.032		86.936	1.00	30.84
1440	N	VAL				-15.198	89.151	1.00	32.95
1441	CA	VAL				-15.972	89.473	1.00	34.49
1442	CB	VAL				-17.107	90.469	1.00	34.94
1443	CG1	VAL				-17.989	90.671	1.00	33.86
1444	CG2	VAL				-17.922	90.015	1.00	33.28
1445	C	VAL				-15.150	90.030	1.00	36.05
1446	ŏ	VAL				-15.131	89.455	1.00	37.26
1447	N	PHE				-14.484	91.158	1.00	37.27
1448	CA			182		-13.720	91.749	1.00	37.97
1449	CB			182		-13.713	93.277	1.00	38.33
1450	CG			182		-15.084	93.908	1.00	39.37
1451	CD1			182		-16.123	93.290	1.00	
1452	CE1			182		-17.376	93.870	1.00	
1453	CZ			182		-17.596	95.069		42.11
1454	CE2			182		-16.561	95.709	1.00	42.27
1455	CD2			182		-15.317	95.129	1.00	40.99
1456	C			182	-79.151		91.271	1.00	38.47
1457	Ö			182	-80.187		91.506	1.00	38.87
1458	N			183	-78.106		90.617	1.00	38.34
1459				183	-78.064		90.246	1.00	37.82
1460	CA CB			183	-78.957		89.052	1.00	37.51
1461				183	-78.362		87.848	1.00	37.83
	OG				-78.467				
1462 1463	C O			183 183	-79.187		91.451 91.341	1.00	37.91 38.19
					-77.983				
1464	N	ALA			-77.983 -78.254		92.607 93.842	1.00	37.60
1465	CA				-78.254 -79.644			1.00	37.80
1466	CB	ALA					94.334	1.00	38.33
1467	C	ALA			-77.231		94.862	1.00	37.85
1468	0	ALA			-76.565		94.708	1.00	38.07
1469	N	TYR	Α	185	-77.111	-8.853	95.908	1.00	37.60

FIGURE 3 AC

A	В	С	D	Е		F	G	H	I	J
1470	CA	TYR	Α	185	-7	6.203	-9.141	96.993	1.00	37.56
1471	CB			185	-7	5.737	-7.841	97.642	1.00	37.53
1472	CG	TYR	Α	185	-7	4.558	-7.975	98.566	1.00	37.51
1473	CD1	TYR	Α	185	-7	4.288	-6.999	99.521	1.00	37.76
1474	CE1	TYR	Α	185	-7	3.190	-7.101	100.356	1.00	37.08
1475	CZ	TYR	Α	185	-7	2.363	-8.181	100.256	1.00	37.06
1476	OH	TYR	Α	185	-7	1.271	-8.278	101.094	1.00	38.04
1477	CE2	TYR	Α	185	-7	2.610	-9.166	99.323	1.00	35.91
1478	CD2	TYR	Α	185	-7	3.701	-9.058	98.484	1.00	36.85
1479	C	TYR	Α	185	-7	6.889	-9.999	98.036	1.00	37.49
1480	0	TYR	Α	185	-7	6.252	-10.862	98.651	1.00	37.79
1481	N	SER	Α	186	-7	8.184	-9.776	98.238	1.00	37.29
1482	CA			186		8.888	-10.505	99.290	1.00	37.19
1483	CB			186		0.144	-9.775	99.744	1.00	36.89
1484	OG			186		1.125	-9.876	98.752	1.00	37.73
1485	C			186		9.273	-11.900	98.875	1.00	36.64
1486	0			186		9.663	-12.140	97.747	1.00	37.15
1487	N	ALA				9.113	-12.812	99.812	1.00	36.04
1488	CA			187		9.509		99.666	1.00	35.72
1489	CB	ALA				8.284	-15.085	99.693	1.00	35.34
1490	С	ALA					-14.423	100.885	1.00	35.43
1491	0	ALA					-15.326	101.690	1.00	34.90
1492	N			188		1.403	-13.549	101.000	1.00	35.76
1493	CA			188			-13.517	102.098	1.00	36.19
1494	CB			188		2.128		102.924	1.00	36.90
1495	CG			188			-12.343	104.045	1.00	36.81
1496	CD1			188			-11.248	105.051	1.00	38.05
1497	CD2			188			-13.695	104.665	1.00	37.67
1498	C			188		3.752	-13.449	101.555	1.00	36.16
1499	O N			188		4.046	-12.606	100.717	1.00	36.37
1500 1501	CA			189 189			-14.288 -14.279	102.060	1.00	36.46
1501	CB			189		6.216	-14.279	100.495	1.00	36.23
1502	CG			189		5.307		99.351	1.00	34.41
1504	CD1			189		5.514	-14.389	98.264	1.00	33.31
1505	NE1			189		4.434	-14.455	97.419	1.00	35.56
1506	CE2	TRP				3.496	-15.297	97.965	1.00	35.21
1507	CD2			189		4.019		99.184	1.00	33.94
1508	CE3			189		3.247	-16.664	99.939	1.00	35.24
1509	CZ3	TRP				2.000	-17.047	99.459	1.00	33.38
1510	CH2			189		1.515	-16.554	98.245	1.00	33.99
1511	CZ2	TRP				2.242	-15.678	97.487	1.00	34.09
1512	C			189		7.063	-14.431	102.657	1.00	37.21
1513	0	TRP	Α	189	-8	7.299		103.147	1.00	37.31
1514	N			190			-13.314	103.033	1.00	38.06
1515	CA			190			-13.310	104.028	1.00	38.71
1516	CB	TRP		190		9.155	-11.879	104.370	1.00	38.83
1517	CG	TRP	Α	190	-8	8.270	-11.103	105.274	1.00	38.32
1518	CD1	TRP	Α	190	-8	7.389	-10.126	104.918	1.00	38.37
1519	NE1	TRP	Α	190	-8	6.765	-9.618	106.031	1.00	38.44
1520	CE2	TRP	Α	190	-8	7.255	-10.254	107.139	1.00	38.85

FIGURE 3 AD

A	В	С	D	Е		F	G	H	I	J
1521	CD2	TRP	Α	190	-	88.218	-11.188	106.697	1.00	39.00
1522	CE3	TRP	Α	190	-	88.875	-11.971	107.648	1.00	38.63
1523	CZ3	TRP					-11.800	108.982	1.00	39.07
1524	CH2	TRP					-10.867	109.387	1.00	39.64
1525	CZ2	TRP	Α	190		86.939		108.480	1.00	38.67
1526	C	TRP					-13.958	103.403	1.00	39.34
1527	0	TRP				90.298	-13.652	102.260	1.00	38.94
1528	N	SER					-14.825	104.148	1.00	40.07
1529	CA	SER				91.901	-15.367	103.671	1.00	40.97
1530	CB	SER				92.399		104.568	1.00	41.50
1531	OG	SER				93.155	-15.990	105.647	1.00	41.74
1532	С	SER					-14.206	103.633	1.00	41.49
1533	0	SER				92.733	-13.211	104.335	1.00	41.38
1534	N	PRO					-14.364	102.857	1.00	41.99
1535	CA	PRO				94.829		102.500	1.00	42.66
1536	CB	PRO					-13.954	101.810	1.00	42.51
1537	CG	PRO					-15.217	101.309	1.00	42.06
1538	CD	PRO					-15.649	102.342	1.00	41.94
1539	C	PRO					-12.481	103.679	1.00	43.23
1540	0	PRO				95.655		103.555	1.00	43.70
1541	N	ASN					-13.149	104.814	1.00	43.81
1542	CA	ASN					-12.535	105.970	1.00	44.56
1543 1544	CB CG	ASN ASN				97.148	-13.426 -14.162	106.490	1.00	45.57 47.13
1544	OD1	ASN				96.783 95.624	-14.162	107.747	1.00	48.73
1546	ND2	ASN					-14.735	108.170	1.00	51.47
1547	C	ASN				95.042	-14.735	107.065	1.00	44.28
1548	ŏ	ASN				95.425	-11.547	108.060	1.00	44.80
1549	N	GLY				93.779		106.885	1.00	43.59
1550	CA	GLY					-12.158	107.832	1.00	42.90
1551	C	GLY					-13.281	108.767	1.00	42.46
1552	Ö	GLY					-13.275	109.355	1.00	41.89
1553	N	THR				93.255	-14.257	108.894	1.00	42.23
1554	CA	THR					-15.377	109.786	1.00	42.35
1555	CB	THR					-16.441	109.621	1.00	42.51
1556	OG1	THR			-	95.318	-15.985	110.224	1.00	43.31
1557	CG2	THR	Α	195	-	93.759	-17.663	110.444	1.00	42.51
1558	C	THR	Α	195	-	91.640	-16.016	109.579	1.00	41.99
1559	0	THR	Α	195	-	90.813	-16.045	110.492	1.00	41.82
1560	N	PHE	Α	196	-	91.399	-16.531	108.376	1.00	41.36
1561	CA	PHE	Α	196	-	90.135	-17.208	108.113	1.00	40.45
1562	CB	PHE	Α	196	-	90.388	-18.463	107.284	1.00	40.63
1563	CG	PHE	Α	196	-	91.227	-19.485	107.987	1.00	39.35
1564	CD1	PHE				90.738	-20.157	109.089	1.00	38.75
1565	CE1			196			-21.096	109.743	1.00	38.83
1566	CZ	PHE				92.777		109.290	1.00	37.56
1567	CE2		Α	196		93.272	-20.708	108.199	1.00	36.97
1568	CD2	PHE				92.503		107.554	1.00	37.96
1569	С		A	196		89.125	-16.315	107.411	1.00	39.96
1570	0	PHE					-15.356	106.723	1.00	40.12
1571	N	LEU	Α	197	-	87.855	-16.610	107.624	1.00	39.33

FIGURE 3 AE

A	В	C D E	F	G	H	1	J
1572	CA	LEU A 19	7 -86.792	-15.921	106.903	1.00	38.31
1573	CB	LEU A 19	-85.943	-15.070	107.831	1.00	38.53
1574	CG	LEU A 19		-14.388	107.187	1.00	39.02
1575	CD1	LEU A 19			108.269	1.00	40.57
1576	CD2	LEU A 19			106.068	1.00	39.51
1577	C	LEU A 19		-17.016	106.335	1.00	37.20
1578	0	LEU A 19			107.070	1.00	36.63
1579	N	ALA A 19			105.029	1.00	36.53
1580	CA	ALA A 19		-18.231	104.416	1.00	35.68
1581	CB	ALA A 19			103.250	1.00	35.91
1582	С	ALA A 19			103.962	1.00	34.82
1583	0	ALA A 19			103.617	1.00	34.28
1584	N	TYR A 19			103.991	1.00	33.86
1585	CA	TYR A 19		-17.730	103.485	1.00	33.19
1586	CB	TYR A 19			104.571	1.00	32.78
1587	CG CD1	TYR A 19			105.727	1.00	33.58
1588	CD1	TYR A 19		-18.358 -19.153	105.773	1.00	32.56
1589 1590	CE1 CZ	TYR A 19		-19.153	106.840	1.00	32.70
1590	OH	TYR A 19			107.867	1.00	33.54
1592	CE2	TYR A 19		-18.882	107.842	1.00	32.58
1593	CD2	TYR A 19		-18.090	106.779	1.00	33.74
1594	C	TYR A 19		-18.805	102.898	1.00	32.53
1595	0	TYR A 19		-19.979	103.157	1.00	32.66
1596	N	ALA A 20			102.102	1.00	32.28
1597	CA	ALA A 20		-19.319	101.509	1.00	31.66
1598	CB	ALA A 20		-19.102	99.985	1.00	31.58
1599	C	ALA A 20			102.156	1.00	31.10
1600	ō	ALA A 20			102.512	1.00	31.98
1601	N	GLN A 20		-20.147	102.318	1.00	30.82
1602	CA	GLN A 20	75.253	-19.974	102.864	1.00	30.37
1603	CB	GLN A 20		-20.810	104.109	1.00	30.06
1604	CG	GLN A 20	73.659	-20.886	104.511	1.00	29.92
1605	CD	GLN A 20	73.433	-21.897	105.590	1.00	32.22
1606	OE1	GLN A 20	73.089	-23.034	105.299	1.00	32.66
1607	NE2	GLN A 20	73.616	-21.487	106.852	1.00	31.05
1608	C	GLN A 20		-20.391	101.826	1.00	30.16
1609	0	GLN A 20			101.244	1.00	30.15
1610	N	PHE A 20			101.613	1.00	30.02
1611	CA	PHE A 20		-19.831	100.581	1.00	30.30
1612	CB	PHE A 20			99.600	1.00	29.91
1613	CG	PHE A 20			98.844	1.00	28.40
1614	CD1	PHE A 20			97.870	1.00	26.83
1615	CE1	PHE A 20		-19.103	97.177	1.00	25.09
1616	CZ	PHE A 20			97.447	1.00	26.35
1617	CE2	PHE A 20			98.439	1.00	26.18
1618	CD2	PHE A 20			99.124	1.00	27.09
1619	C	PHE A 20			101.165	1.00	30.53
1620	N	PHE A 20 ASN A 20		-19.384 -21.173	102.030	1.00	30.67
1621 1622	CA	ASN A 20		-21.173	100.656 101.129	1.00	30.49
1022	CA	AON A ZU	-00.93/	-21.39/	101.129	1.00	30.96

FIGURE 3 AF

A	В	C	D	E		F	G	Н	I	J
1623	CB	ASN	Δ	203	-6	9 048	-23.008	101 735	1 00	31.11
1624	CG	ASN					-23.455	102.411	1.00	31.34
1625	OD1	ASN					-22.836	102.238	1.00	31.57
1626	ND2	ASN					-24.543	103.180	1.00	34.70
1627	C	ASN				7.894		100.008	1.00	30.82
1628	0	ASN					-22.369	99.081	1.00	30.86
1629	N	ASP					-20.611	100.102	1.00	30.71
1630	CA	ASP					-20.417	99.088	1.00	31.08
1631	CB	ASP					-18.950	98.716	1.00	31.03
1632	CG	ASP				7.066		97.961	1.00	31.81
1633	OD1	ASP					-18.922	98.345	1.00	33.00
1634	OD2	ASP				7.007		96.966	1.00	34.30
1635	С	ASP			-6	4.579	-20.874	99.524	1.00	31.17
1636	0	ASP			-6	3.573	-20.516	98.927	1.00	31.18
1637	N	THR					-21.682	100.569	1.00	31.79
1638	CA	THR	Α	205	-6	3.289	-22.139	101.113	1.00	31.97
1639	CB	THR					-23.277	102.077	1.00	32.32
1640	OG1	THR	Α	205			-22.792	103.118	1.00	32.88
1641	CG2	THR	Α	205	-6	2.241	-23.640	102.806	1.00	32.65
1642	С	THR	Α	205	-6	2.236	-22.536	100.084	1.00	31.74
1643	0	THR	Α	205	-6	1.082	-22.117	100.203	1.00	31.95
1644	N	GLU	Α	206	-6	2.602	-23.335	99.088	1.00	31.47
1645	CA	GLU					-23.766	98.125	1.00	31.78
1646	CB	GLU	Α	206	-6	1.602	-25.289	97.923	1.00	32.33
1647	CG	GLU	Α	206	-6	1.422	-26.118	99.188	1.00	35.48
1648	CD	GLU	Α	206	-6	1.709	-27.596	98.948	1.00	41.10
1649	OE1	GLU	Α	206	-6	0.726	-28.382	98.864	1.00	42.82
1650	OE2	GLU	Α	206	-6	2.907	-27.972	98.817	1.00	40.88
1651	С	GLU	Α	206	-6	1.714	-23.058	96.781	1.00	30.95
1652	0	GLU	Α	206	-6	1.169	-23.514	95.774	1.00	30.73
1653	N	VAL	Α	207	-6	2.440	-21.949	96.767	1.00	29.81
1654	CA	VAL	Α	207	-6	2.572	-21.166	95.552	1.00	29.59
1655	CB	VAL	Α	207	-6	3.826	-20.298	95.613	1.00	29.22
1656	CG1	VAL	Α	207	-6	3.909	-19.353	94.413	1.00	28.22
1657	CG2	VAL	Α	207	-6	5.038	-21.200	95.693	1.00	28.87
1658	C	VAL	Α	207	-6	1.314	-20.333	95.427	1.00	29.48
1659	0	VAL	Α	207	-6	0.923	-19.681	96.375	1.00	30.00
1660	N	PRO	Α	208	-6	0.639	-20.406	94.289	1.00	29.75
1661	CA	PRO	Α	208	-5	9.374	-19.669	94.092	1.00	29.54
1662	CB	PRO	А	208	-5	8.871	-20.156	92.724		29.39
1663	CG	PRO					-21.403	92.435	1.00	30.24
1664	CD	PRO					-21.200	93.109	1.00	29.62
1665	C	PRO	Α	208			-18.166	94.066	1.00	29.18
1666	0	PRO					-17.701	93.796	1.00	
1667	N	LEU					-17.398	94.318		28.89
1668	CA	LEU					-15.970	94.382		28.41
1669	CB	LEU					-15.416	95.703		28.78
1670	CG	LEU					-15.831	96.854	1.00	30.32
1671	CD1	LEU				9.365	-14.702	97.815	1.00	32.76
1672	CD2	LEU					-17.040	97.566		31.36
1673	C	LEU	Α	209	-5	8.105	-15.245	93.231	1.00	27.31

FIGURE 3 AG

1674 O	A	В	С	D	Е	F	G	H	I	J
1675 N ILE A 210 -58.865 -14.362 92.596 1.00 25.30 1677 CB ILE A 210 -59.288 -12.856 91.638 1.00 24.07 1678 CGI ILE A 210 -59.288 -12.856 90.638 1.00 24.07 1679 CDI ILE A 210 -57.653 -12.506 88.749 1.00 22.86 1679 CDI ILE A 210 -57.653 -12.506 88.749 1.00 27.11 1680 CG2 ILE A 210 -57.653 -12.506 88.749 1.00 27.07 1681 C ILE A 210 -57.653 -12.506 88.749 1.00 24.07 1682 O ILE A 210 -57.611 -12.379 92.484 1.00 24.76 1683 N GUD A 211 -56.3667 -12.071 92.140 1.00 24.26 1684 CA GLU A 211 -55.636 -11.012 92.804 1.00 23.86 1685 CB GLU A 211 -55.636 -11.012 92.804 1.00 23.86 1686 CG GLU A 211 -54.737 -11.559 93.468 1.00 25.96 1687 CD GLU A 211 -54.595 -12.856 94.218 1.00 25.96 1688 OE1 GLU A 211 -54.595 -12.856 94.218 1.00 25.96 1689 CD GLU A 211 -53.386 -13.788 96.242 1.00 29.23 1689 OE2 GLU A 211 -52.326 -12.837 94.97 1.00 29.08 1690 C GLU A 211 -55.366 -9.978 91.769 1.00 23.24 1691 O GLU A 211 -54.834 -10.328 90.666 1.00 23.22 1693 CA TYR A 212 -55.348 -8.708 92.138 1.00 23.56 1694 CB TYR A 212 -55.985 -7.259 90.234 1.00 23.31 1693 CB TYR A 212 -55.985 -7.259 90.234 1.00 23.31 1694 CB TYR A 212 -55.985 -7.259 90.234 1.00 23.31 1695 CG TYR A 212 -55.985 -7.259 90.234 1.00 23.02 1696 CD1 TYR A 212 -55.985 -7.259 90.234 1.00 23.02 1697 CE1 TYR A 212 -55.985 -7.259 90.234 1.00 23.02 1700 CE2 TYR A 212 -55.985 -7.650 91.714 1.00 23.02 1700 CE2 TYR A 212 -55.860 -6.437 92.200 1.00 23.37 1700 CE2 TYR A 212 -55.860 -6.437 92.200 1.00 23.30 1700 CE TYR A 212 -55.860 -6.437 92.200 1.00 23.30 1700 CE TYR A 212 -55.860 -3.380 91.79 11.00 24.43 1700 CE TYR A 212 -55.860 -3.380 91.79 1.00 29.05 1700 CE TYR A 212 -55.860 -3.380 91.79 1.00 25.06 1700 CE TYR A 212 -55.860 -3.380 91.79 1.00 25.06 1700 CE TYR A 212 -55.860 -3.380 91.79 1.00 25.00 1700 CE TYR A 212 -55.860 -3.380 91.70 1.00 25.36 1700 CE TYR A 212 -55.860 -3.380 91.70 1.00 25.36 1700 CE TYR A 212 -54.600 -6.437 92.200 1.00 23.37 1700 CE TYR A 212 -54.600 -6.437 92.200 1.00 23.30 1700 CE TYR A 212 -54.600 -6.437 92.000 1.00 23.00 1700 CE TYR A 212 -55.860 -9.9850 91.79 1	1674	0	LEU	А	209	-56.957	-15.507	92.907	1.00	28.03
1676 CA ILE A 210										
1677 CB										
1678 CG1 ILE A 210 -58.602 -11.882 89.681 1.00 22.86 1680 CG2 ILE A 210 -57.651 -12.506 88.749 1.00 17.11 1681 C ILE A 210 -57.611 -12.379 92.484 1.00 22.07 1682 O ILE A 210 -58.214 -11.864 93.471 1.00 24.06 1685 CB GLU A 211 -56.367 -12.01 92.804 1.00 24.06 1685 CB GLU A 211 -54.373 -11.555 93.468 1.00 23.56 1686 CB GLU A 211 -54.373 -11.556 94.218 1.00 25.96 1687 CD GLU A 211 -53.4897 -13.180 95.221 1.00 26.55 1689 CE GLU A 211 -55.236 -9.978 96.66 1.00 23.22 1690										
1679 CD1 ILE A 210 -57.653 -12.506 88.749 1.00 17.11 1680 CG2 ILE A 210 -56.416 -12.105 91.348 1.00 22.07 1681 C ILE A 210 -57.611 -12.379 92.484 1.00 24.74 1683 N GUJ A 211 -56.367 -12.071 92.140 1.00 24.06 1685 CB GUJ A 211 -55.636 -11.012 92.140 1.00 23.66 1686 CG GUJ A 211 -54.373 -11.555 93.468 1.00 25.96 1686 CG GUJ A 211 -54.937 -12.856 94.218 1.00 25.96 1687 CD GUJ A 211 -53.497 -13.180 95.221 1.00 25.96 1689 OEZ GUJ A 211 -53.896 -13.788 96.242 1.00 29.23 1690 CE GUJ A 211 -55.236 -9.978 91.769 1.00 23.44 1691 O GUJ A 211 -55.336 -9.978 91.769 1.00 23.44 1692 N TYR A 212 -55.346 -8.708 92.138 <t< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></t<>										
1680 CG2 CG2 LIE A 210 -60.416 -12.105 91.348 1.00 22.07 1681 C LIE A 210 -57.611 -12.379 92.484 1.00 22.07 1682 O LIE A 210 -58.214 -11.864 93.471 1.00 24.26 1683 N CS GLU A 211 -55.367 -12.071 92.140 1.00 24.26 1684 CA CLU A 211 -55.366 -11.012 92.804 1.00 23.86 1685 CB GLU A 211 -54.373 -11.555 93.668 1.00 23.86 1687 CD GLU A 211 -54.379 -12.866 94.218 1.00 25.65 1688 OEI GLU A 211 -53.497 -13.180 95.221 1.00 25.65 1689 CE GLU A 211 -52.328 -12.837 94.997 1.00 29.08 1690 C GLU A 211 -55.366 -9.978 91.769 1.00 23.22 1691 O GLU A 211 -55.385 -7.259 91.769 1.00 23.21 1692 N TYR A 212 -55.985 -7.259 90.224 1.00 23.31 1693 CB TYR A 212 -55.985 -7.259 90.224 1.00 23.31										
1681 C ILE A 210 -57.611 -12.379 92.484 1.00 24.74 1682 O ILE A 210 -58.214 -11.864 93.471 1.00 24.26 1683 N GLU A 211 -56.367 -12.071 92.140 1.00 24.06 1685 CB GLU A 211 -55.636 -12.071 92.140 1.00 24.06 1686 CG GLU A 211 -54.373 -11.555 93.468 1.00 25.96 1686 CG GLU A 211 -54.595 -12.856 94.218 1.00 25.96 1689 CB GLU A 211 -53.497 -13.180 95.221 1.00 25.96 1689 CB GLU A 211 -53.806 -13.788 96.242 1.00 29.23 1690 C GLU A 211 -55.236 -9.978 91.769 1.00 23.44 1691 O GLU A 211 -55.343 -10.328 90.666 cl.00 23.22 1693 C TYR A 212 -55.348 -8.708 92.138 1.00 23.31 1694 C B TYR A 212 -55.348 -8.708 92.138 1.00 23.21 1695 CC TYR A 212 -57.348 -6.961 90.774 1.00 22.22 1696 CD TYR A 212 -57.348 -6.961 90.774 1.00 22.36 1										
1682 O ILE A 210 -58.214 -11.864 93.471 1.00 24.26 1683 N GUD A 211 -55.636 -12.071 92.140 1.00 24.26 1685 CB GLU A 211 -55.636 -11.012 92.804 1.00 24.36 1686 CG GLU A 211 -54.373 -11.555 93.468 1.00 23.56 1687 CD GLU A 211 -54.595 -12.856 94.218 1.00 25.96 1688 OEI GLU A 211 -53.497 -13.180 95.221 1.00 25.96 1689 CC GLU A 211 -53.497 -13.180 95.221 1.00 25.96 1690 C GLU A 211 -52.328 -12.837 99.97 1.00 29.08 1691 O GLU A 211 -55.366 -9.978 91.769 1.00 23.22 1692 N TYR A 212 -54.834 -10.328 90.666 1.00 23.22 1693 CB TYR A 212 -55.985 -7.259 90.234 1.00 23.31 1694 CB TYR A 212 -57.684 -6.961 90.774 1.00 22.22 1695 CG TYR A 212 -57.684 -5.679 91.771 1.00 22.22 1695										
1683 N GLU A 211 -56.367 -12.071 92.140 1.00 24.06 1684 CA GLU A 211 -56.367 -12.071 92.140 1.00 23.66 1685 CB GLU A 211 -54.373 -11.555 93.468 1.00 23.56 1686 CG GLU A 211 -54.397 -13.180 95.221 1.00 25.96 1689 OEJ GLU A 211 -53.806 -13.788 96.242 1.00 29.23 1690 OE GLU A 211 -52.326 -12.837 94.997 10.00 29.23 1691 O GLU A 211 -55.236 -9.978 91.769 1.00 23.44 1691 O GLU A 211 -55.236 -9.978 91.699 1.00 23.44 1692 N TYR A 212 -55.348 -8.708 92.138 1.00 23.21 1693 CA TYR A 212 -55.385 -7.259 90.234 1.00 22.86 1695 CG TYR A 212 -55.985 -7.259 90.234										
1684 CA CGU A 211 -55.636 -11.012 92.804 1.00 23.86 1685 CB CGU A 211 -54.373 -11.555 93.468 1.00 23.56 1686 CG CGU A 211 -54.595 -12.856 94.218 1.00 25.96 1687 CD CD GU A 211 -53.497 -13.180 95.221 1.00 25.96 1689 CE GLU A 211 -53.806 -13.788 96.242 1.00 25.96 1690 C GLU A 211 -55.236 -9.978 91.769 1.00 29.23 1691 O GLU A 211 -55.236 -9.978 91.769 1.00 23.24 1692 N TYR A 212 -54.834 -8.708 92.138 1.00 23.25 1693 CA TYR A 212 -55.985 -7.259 90.234 1.00 23.31 1694 CB TYR A 212 -57.348 -6.961 90.774 1.00 22.3 1695 CG TYR A 212 -57.348 -6.961 90.774 1.00 22.2 1695 CDI TYR A 212 -57.348 -5.366 91.671 1.00 21.83 1696 CDI TYR A 212 -57.348 -5.366 91.671 1.00 23.02 1701										
1685 CB GLU A 211 -54.373 - 11.555 93.468 1.00 23.56 1687 CD GLU A 211 -54.595 - 12.856 94.218 1.00 23.56 1688 CD GLU A 211 -53.497 - 13.180 95.221 1.00 25.65 1689 OEZ GLU A 211 -52.328 - 12.837 94.997 1.00 29.03 1690 C GLU A 211 -52.328 - 12.837 94.997 1.00 29.03 1691 O GLU A 211 -55.236 - 9.978 97.699 1.00 23.44 1693 CA TYR A 212 -55.348 - 8.708 92.138 1.00 23.21 1695 CG TYR A 212 -55.985 - 7.259 90.234 1.00 23.19 1695 CG TYR A 212 -57.684 - 5.679 91.774 1.00 23.19 1698 CZ TYR A 212 -57.684 - 5.366 91.671 1.00 22.36 1699 OR TYR A 212 -59.856 - 7.368 91.791 1.00 22.37 1699										
1686 CG CGU A 211 -54.595 -12.856 94.218 1.00 25.96 1687 CD CGU A 211 -53.806 -13.788 95.221 1.00 26.55 1688 OE1 GLU A 211 -53.806 -13.788 96.242 1.00 26.55 1689 OE2 GLU A 211 -55.236 -9.978 91.769 1.00 29.23 1691 O GLU A 211 -55.236 -9.978 91.769 1.00 23.42 1692 N TYR A 212 -55.348 -8.708 92.138 1.00 23.22 1693 CA TYR A 212 -55.985 -7.259 90.234 1.00 23.31 1694 CB TYR A 212 -54.923 -7.615 91.294 1.00 23.31 1695 CG TYR A 212 -55.986 -7.259 90.234 1.00 22.36 1695 CG TYR A 212 -57.348 -6.961 90.774 1.00 22.18 1696 CD1 TYR A 212 -58.916 -5.386 91.791 1.00 21.83 1698 CZ TYR A 212 -58.916 -5.386 91.791 1.00 22.36 1701 CDZ TYR A 212 -59.563 77.660 91.202 1.00 22.36 <tr< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr<>										
1687 CD GLU A 211 -53.497 -13.180 95.221 1.00 26.55 1689 OE2 GLU A 211 -53.806 -13.788 96.242 1.00 29.23 1690 C GLU A 211 -52.328 -12.837 94.997 1.00 29.08 1691 O GLU A 211 -54.834 -10.328 90.666 1.00 23.42 1693 CA TYR A 212 -54.923 -7.615 91.381 1.00 23.21 1695 CG TYR A 212 -55.936 -7.259 90.234 1.00 22.86 1695 CG TYR A 212 -57.684 -5.679 91.174 1.00 22.18 1697 CEI TYR A 212 -57.684 -5.679 91.174 1.00 22.23 1699 CEI TYR A 212 -59.858 -6.388 91.791 1.00 22.23 1700										
1688 OE1 GLU A 211 -53.806 -13.788 96.242 1.00 29.23 1699 OE GLU A 211 -52.288 -12.837 94.997 1.00 29.08 1691 O GLU A 211 -55.236 -9.978 91.769 1.00 23.44 1692 N TYR A 212 -55.348 -8.708 92.138 1.00 23.21 1693 CB TYR A 212 -55.985 -7.299 90.234 1.00 23.31 1695 CG TYR A 212 -55.985 -7.299 90.234 1.00 22.36 1695 CG TYR A 212 -57.348 -6.961 90.774 1.00 22.26 1696 CDI TYR A 212 -58.916 -5.386 91.671 1.00 22.04 1698 CZ TYR A 212 -58.916 -5.386 91.761 1.00 22.04 1698										
1689 OE2 GJU A 211 -52.328 -12.837 94.997 1.00 29.08 1690 C GJU A 211 -55.336 -9.978 91.769 1.00 23.42 1691 O GJU A 211 -54.834 -10.328 90.666 1.00 23.42 1692 N TYR A 212 -54.834 -10.328 90.666 1.00 23.22 1693 CA TYR A 212 -55.985 -7.259 90.234 1.00 23.21 1695 CG TYR A 212 -57.348 -6.696 19.774 1.00 22.26 1695 CG TYR A 212 -57.348 -6.679 19.774 1.00 22.28 1697 CEI TYR A 212 -57.684 -6.679 19.774 1.00 22.31 1698 CZ TYR A 212 -58.916 -5.738 91.671 1.00 21.83 1699 OH TYR A 212 -59.858 -6.368 91.671 1.00 22.04 1700 CEZ TYR A 212 -59.858 -7.660 91.671 1.00 23.02 1701 CDZ TYR A 212 -58.508 -7.660 91.671 1.00 23.02 1702 C TYR A 212 -58.563 -7.660 91.420 1.00 23.02 1703 O TYR A 212 -54.560 -6.437 92.200 1.00 23.96 1704 N SER A 213 -53.308 -4.338 93.355 <td< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td<>										
1690 C GUI A 211 -55.236 -9.978 91.769 1.00 23.44 1691 O GUI A 211 -54.834 -10.328 90.666 1.00 23.22 1693 C N TYR A 212 -55.348 -8.708 92.138 1.00 23.21 1693 CA TYR A 212 -55.985 -7.259 90.234 1.00 23.31 1695 CG TYR A 212 -55.985 -7.259 90.234 1.00 22.86 1696 CDI TYR A 212 -57.348 -6.961 90.774 1.00 22.92 1697 CEI TYR A 212 -58.916 -5.386 91.671 1.00 21.83 1698 CZ TYR A 212 -58.916 -5.386 91.791 1.00 22.18 1699 CH TYR A 212 -59.858 -6.368 91.671 1.00 22.18 1699 CZ TYR A 212 -59.856 -6.369 91.917 1.00 22.37 1700 CEZ TYR A 212 -59.8531 -7.953 90.910 1.00 22.36 1701 CDZ TYR A 212 -59.8031 -7.953 90.910 1.00 22.36 1702 C TYR A 212 -54.968 -6.388 93.355 1.00 24.43 170										
1691 O GLIJ 211 -54.834 -10.328 90.666 1.00 23.22 1693 CA TYR A 212 -55.948 -8.708 92.138 1.00 23.21 1693 CA TYR A 212 -55.985 -7.259 90.224 1.00 23.31 1695 CG TYR A 212 -57.348 -6.961 90.774 1.00 22.86 1695 CB TYR A 212 -57.684 -6.691 90.774 1.00 22.32 1698 CB TYR A 212 -57.684 -6.691 90.774 1.00 22.32 1698 CZ TYR A 212 -58.89 -6.368 91.671 1.00 22.03 1700 CDZ TYR A 212 -59.858 -6.368 91.791 1.00 22.30 1701 CDZ TYR A 212 -59.863 -7.660 91.420 1.00 22.30 1702										
1692 N TYR A 212 -55,348 -8.708 92.138 1.00 23.21 1693 CR TYR A 212 -54,923 -7.615 91.294 1.00 23.31 1694 CB TYR A 212 -55,985 -7.259 90.234 1.00 22.28 1695 CG TYR A 212 -57,346 -6.961 90.774 1.00 22.28 1697 CE1 TYR A 212 -58,916 -5.366 91.671 1.00 22.18 1698 CZ TYR A 212 -59,858 -6.368 91.791 1.00 22.04 1699 OH TYR A 212 -59,563 -7.660 91.420 1.00 22.04 1700 CEZ TYR A 212 -58,363 -7.953 90.90 1.00 22.02 1701 CD2 TYR A 212 -54,560 -6.437 92.200 1.00 22.36 1702										
1693 CA TYR A 212 -54,923 -7.615 91,294 1.00 23.31 1694 CB TYR A 212 -55,985 -7.259 90.234 1.00 22.86 1695 CG TYR A 212 -57,348 -6,961 90.774 1.00 22.82 1697 CEI TYR A 212 -58,916 -5,366 91,671 1.00 22.02 1699 CR TYR A 212 -58,858 -6,368 91,791 1.00 22.02 1700 CEZ TYR A 212 -59,858 -6,368 91,791 1.00 22.02 1701 CDZ TYR A 212 -59,858 -7,660 91,420 1.00 23.02 1702 CD TYR A 212 -58,630 -7,660 91,420 1.00 23.02 1703 O TYR A 212 -54,660 -6,437 92,200 1.00 23.96 1704										
1694 CB TYR A 212 -55.985 -7.259 90.234 1.00 222.86 1695 CG TYR A 212 -57.348 -6.961 90.774 1.00 22.22 1697 CE1 TYR A 212 -57.684 -5.679 91.174 1.00 23.19 1698 CE TYR A 212 -59.858 -6.368 91.791 1.00 22.10 1699 OH TYR A 212 -59.563 -76.609 91.201 1.00 22.37 1701 CEZ TYR A 212 -59.563 -76.60 91.420 1.00 22.37 1701 CEZ TYR A 212 -59.563 -76.60 91.420 1.00 22.02 1701 CD TYR A 212 -58.301 -7.953 90.910 1.00 22.36 1702 C TYR A 212 -54.668 -6.388 93.355 1.00 24.35 1703										
1695 CG TYR A 212 -57.348 -6.961 90.774 1.00 22.22 1696 CD1 TYR A 212 -57.684 -5.679 91.174 1.00 22.12 1697 CE1 TYR A 212 -58.916 -5.386 91.671 1.00 22.183 1699 CE TYR A 212 -61.092 -6.029 92.302 1.00 22.30 1700 CEZ TYR A 212 -58.530 -7.953 90.910 1.00 22.30 1702 C TYR A 212 -54.560 -6.437 92.200 1.00 23.96 1703 O TYR A 212 -54.560 -6.437 92.200 1.00 23.96 1704 N SER A 213 -53.735 -5.531 91.698 1.00 24.43 1704 N SER A 213 -53.030 -4.386 92.472 1.00 24.93 1705 CA SER A 213 -54.500 -6.437 92.200 1.00 24.93										
1696 CD1 TYR A 212 -57.684 -5.679 91.174 1.00 23.19 1697 CEI TYR A 212 -58.916 -5.368 91.671 1.00 21.33 1698 CZ TYR A 212 -59.858 -6.368 91.791 1.00 22.04 1699 OH TYR A 212 -59.563 -7.660 91.420 1.00 22.32 1700 CEZ TYR A 212 -59.563 -7.953 90.910 1.00 22.36 1702 C TYR A 212 -54.560 -6.437 92.200 1.00 23.96 1703 O TYR A 212 -54.560 -6.437 92.200 1.00 24.35 1704 N SER A 213 -53.308 -43.86 92.472 1.00 24.97 1706 CB SER A 213 -53.308 -43.86 92.472 1.00 24.97 1707 OS SER A 213 -51.081 -3.813 91.698 1.00 24.59 1708 C SER A 213 -54.350 -3.239 92.445										
1697 CE1 TYR A 212 -58.916 -5.386 91.671 1.00 21.83 1698 CZ TYR A 212 -59.858 -6.368 91.791 1.00 22.04 1699 OH TYR A 212 -61.092 -6.029 92.302 1.00 22.37 1701 CD2 TYR A 212 -58.301 -7.953 90.910 1.00 22.36 1703 C TYR A 212 -58.301 -7.953 90.910 1.00 22.36 1704 N SER A 212 -54.560 -6.437 92.200 1.00 23.96 1705 CA SER A 213 -53.735 -5.531 91.698 1.00 24.43 1706 CB SER A 213 -53.308 -4.386 92.472 1.00 24.97 1707 CG SER A 213 -55.013 91.989 1.00 24.59 1708 C SER A 213 -55.017 3.073 92.445 1.00 25.46										
1698 CZ TYR A 212 -59.858 -6.368 91.791 1.00 22.04 1699 OH TYR A 212 -61.092 -6.029 92.302 1.00 22.37 1700 CEZ TYR A 212 -59.563 -7.660 91.420 1.00 22.36 1701 CD TYR A 212 -54.560 -6.437 92.200 1.00 22.36 1704 N SER A 213 -53.735 -5.531 91.355 1.00 24.95 1705 CA SER A 213 -53.308 -4.386 92.472 1.00 24.97 1706 CB SER A 213 -55.023 -3.810 91.898 1.00 24.97 1707 GC SER A 213 -55.023 -3.810 91.898 1.00 24.97 1709 G SER A 213 -55.017 -3.073 91.417 1.00 25.46 1711										
1699 OH TYR A 212 -61.092 -6.029 92.302 1.00 22.23 1700 CEZ TYR A 212 -59.563 -7.660 91.420 1.00 23.02 1701 CDZ TYR A 212 -58.301 -7.953 90.910 1.00 23.02 1703 C TYR A 212 -54.560 -6.437 92.200 1.00 23.96 1704 N SER A 212 -54.968 -6.388 93.355 1.00 24.32 1705 CA SER A 213 -53.735 -5.531 91.698 1.00 24.43 1707 GC SER A 213 -52.023 -3.810 91.989 1.00 24.59 1708 C SER A 213 -54.350 -3.293 92.445 1.00 25.46 1709 O SER A 213 -55.317 -3.073 91.417 1.00 25.16 1711										
1700 CB2 TYR A 212 -59.563 -7.660 91.420 1.00 23.02 1701 CD2 TYR A 212 -58.301 -7.953 90.910 1.00 22.36 1702 C TYR A 212 -54.560 -6.437 92.200 1.00 22.36 1704 N SER A 213 -53.735 -5.531 9.5355 1.00 24.97 1706 CB SER A 213 -53.308 -4.386 92.472 1.00 24.97 1707 OG SER A 213 -55.017 -3.233 92.445 1.00 24.97 1708 C SER A 213 -55.017 -3.073 92.445 1.00 24.97 1707 OG SER A 213 -51.081 -4.834 91.666 1.00 27.00 1709 O SER A 213 -55.017 -3.073 91.417 1.00 25.46 1701 N PHE A 214 -55.314 -1.424 93.661 1.00 25.16 <td></td>										
1701 CD2 TYR A 212 -58.301 -7.953 90.910 1.00 22.26 1702 C TYR A 212 -54.660 -6.437 92.200 1.00 22.96 1703 O TYR A 212 -54.968 -6.388 93.355 1.00 24.35 1705 CA SER A 213 -53.735 -5.531 91.698 1.00 24.43 1707 G SER A 213 -53.308 -4.386 92.472 1.00 24.59 1707 G SER A 213 -51.081 -4.834 91.666 1.00 24.59 1709 O SER A 213 -54.350 -3.293 92.445 1.00 25.46 1710 O SER A 213 -54.350 -3.293 92.445 1.00 25.46 1711 C SER A 213 -54.350 -3.293 92.445 1.00 25.46 1711 C PHE A 214 -54.484 -2.612 93.581 1.00 25.16										
1702 C TYR A 212 -54.560 -6.437 92.200 1.00 23.96 1703 0 TYR A 212 -54.660 -6.388 93.355 1.00 24.35 1704 N SER A 213 -53.735 -5.531 91.698 1.00 24.49 1705 CA SER A 213 -52.023 -3.810 92.472 1.00 24.59 1706 CB SER A 213 -52.023 -3.810 91.898 1.00 24.59 1708 C SER A 213 -54.350 -3.293 92.445 1.00 25.70 1709 O SER A 213 -55.017 -3.073 91.417 1.00 25.74 1710 N PHE A 214 -54.484 -2.612 93.581 1.00 25.74 1711 CA PHE A 214 -55.314 -1.424 93.666 1.00 25.25 1712 CB PHE A 214 -57.523 -0.566 94.571 1.00 25.71 1713 CG PHE A 214 -57.230 -0.566 94.571 <										
1703 O TYR A 212 -54.968 -6.388 93.355 1.00 24.35 1704 N SER A 213 -53.735 -5.531 91.698 1.00 24.35 1705 CA SER A 213 -53.308 -4.386 92.472 1.00 24.97 1707 OC SER A 213 -51.081 -4.834 91.666 1.00 27.09 1709 O SER A 213 -54.350 -3.293 92.445 1.00 25.46 1711 O N PHE A 214 -54.480 -2.612 93.581 1.00 25.16 1711 CB PHE A 214 -54.484 -2.612 93.581 1.00 25.16 1712 CB PHE A 214 -55.484 -1.643 94.650 1.00 25.16 1711 CB PHE A 214 -55.4882 -1.643 94.650 1.00 25.71										
1704 N										
1705 CA SER A 213 -53.308 -4.386 92.472 1.00 24.97 1707 CB SER A 213 -52.023 -3.810 91.898 1.00 24.59 1707 CG SER A 213 -51.081 -4.834 92.445 1.00 24.59 1709 C SER A 213 -54.350 -3.233 92.445 1.00 25.46 1710 N PHE A 214 -54.484 -2.612 93.581 1.00 25.16 1711 CR PHE A 214 -54.484 -2.612 93.581 1.00 25.16 1712 CB PHE A 214 -56.482 -1.643 94.650 1.00 25.16 1713 CG PHE A 214 -57.523 -0.566 94.571 1.00 25.71 1714 CD1 PHE A 214 -57.441 0.549 95.390 1.00 25.31 1716 CZ PHE A 214 -59.500 0.360 93.564 1.00 25.32 1717 CE2 PHE A 214 -59.500 0.360 93.564										
1706 CB SER A 213 -52.023 -3.810 91.898 1.00 24.59 1707 CG SER A 213 -51.081 -4.834 91.666 1.00 27.00 1708 C SER A 213 -54.350 -3.293 92.445 1.00 25.46 1710 N PHE A 214 -54.484 -2.612 93.581 1.00 25.14 1711 CA PHE A 214 -55.314 -1.424 93.666 1.00 25.20 1712 CB PHE A 214 -56.482 -1.643 94.650 1.00 24.59 1713 CG PHE A 214 -57.523 -0.566 94.571 1.00 25.71 1714 CD1 PHE A 214 -57.523 -0.566 94.571 1.00 25.71 1715 CE1 PHE A 214 -58.361 1.557 95.302 1.00 25.33 1716 CZ PHE A 214 -59.500 0.360 93.564 1.00 25.76 1717 CE2 PHE A 214 -59.500 0.360 93.564 1.00 25.76 1718 CD2 PHE A 214 -59.500 0.360 93.564 1.00 25.52 1719 C PHE A 214 -59.550 -0.414 93.647 1.00 25.52 1710 C PHE A 214 -59.550 -0.437 95.576 1.00 25.52 1710 C PHE A 214 -59.550 -0.437 95.576 1.00 25.52 1712 N TYR A 215 -54.261 0.766 93.385 1.00 25.86 1722 CA TYR A 215 -53.219 1.734 93.670 1.00 25.86 1723 CR TYR A 215 -53.219 1.734 93.670 1.00 25.86 1723 CR TYR A 215 -53.219 1.734 93.670 1.00 25.86										
1707 OG SER A 213 -51.081 -4.834 91.666 1.00 27.00 1708 C SER A 213 -54.350 -3.293 92.445 1.00 25.74 1710 N PHE A 214 -55.017 -3.073 91.417 1.00 25.74 1711 CR PHE A 214 -55.314 -1.424 93.686 1.00 25.16 1713 CG PHE A 214 -56.482 -1.643 94.650 1.00 25.90 1714 CDI PHE A 214 -57.441 0.549 95.390 1.00 25.31 1714 CDI PHE A 214 -57.441 0.549 95.300 1.00 25.34 1715 CEI PHE A 214 -59.400 1.474 94.396 1.00 25.34 1717 CE2 PHE A 214 -59.500 0.360 93.564 1.00 25.76 1718 CD2 PHE A 214 -58.361 93.385 1.00 25.52										
1708 C SER A 213 -54.350 -3.293 92.445 1.00 25.46 1709 O SER A 213 -55.017 -3.073 91.417 1.00 25.46 1711 O PHE A 214 -55.017 -3.073 91.417 1.00 25.16 1711 CR PHE A 214 -56.482 -1.643 93.686 1.00 25.20 1713 CG PHE A 214 -57.523 -0.566 94.571 1.00 25.71 1714 CDI PHE A 214 -57.441 0.549 95.390 1.00 24.91 1715 CEI PHE A 214 -58.361 1.557 95.302 1.00 25.33 1716 CZ PHE A 214 -59.500 0.360 93.564 1.00 25.76 1717 CE2 PHE A 214 -59.500 0.360 93.564 1.00 25.72 1719 C PHE A 214 -54.355 -0.614 93.445 1.00 25.52										
1709 O SER A 213 -55.017 -3.073 91.417 1.00 25.74 1711 CA PHE A 214 -54.484 -2.612 93.581 1.00 25.16 1712 CB PHE A 214 -55.314 -1.424 93.686 1.00 25.16 1713 CG PHE A 214 -56.482 -1.643 94.650 1.00 24.90 1714 CDI PHE A 214 -57.441 0.549 95.390 1.00 24.81 1715 CEI PHE A 214 -58.361 1.557 95.302 1.00 25.33 1716 CZ PHE A 214 -59.400 1.474 94.396 1.00 25.74 1718 CD2 PHE A 214 -59.500 0.360 93.644 1.00 25.76 1719 C PHE A 214 -54.552 -0.641 93.647 1.00 25.52 1719 C PHE A 214 -54.552 -0.641 93.647 1.00 25.52 <td></td>										
1710 N										
1711										
1712 CB										
1713 CG PHE A 214 -57.523 -0.566 94.571 1.00 25.71 1714 CD1 PHE A 214 -58.361 1.557 95.302 1.00 24.81 1715 CE1 PHE A 214 -58.361 1.557 95.302 1.00 25.34 1716 CZ PHE A 214 -59.400 1.474 94.396 1.00 25.34 1717 CE2 PHE A 214 -59.500 0.360 93.564 1.00 25.34 1719 C PHE A 214 -58.552 -0.641 93.647 1.00 25.52 1719 C PHE A 214 -54.356 -0.312 94.455 1.00 25.52 1720 0 PHE A 214 -53.677 -0.437 95.157 1.00 25.52 1721 N TYR A 215 -54.261 0.766 93.365 1.00 25.88 1722 CA TYR A 215 -53.219 1.734 93.670 1.00 25.88 1723 CB TYR A 215 -52.675 2.327 92.367 1.00 25.86										
1714 CD1 PHE A 214 -57.441 0.549 95.390 1.00 24.81 1715 CE1 PHE A 214 -59.400 1.474 95.390 1.00 25.33 1716 CE2 PHE A 214 -59.400 1.474 94.396 1.00 25.34 1717 CE2 PHE A 214 -59.500 0.360 93.564 1.00 25.76 1718 CD2 PHE A 214 -58.552 -0.641 93.647 1.00 25.52 1719 C PHE A 214 -54.356 -0.312 94.145 1.00 25.52 1720 O PHE A 214 -54.356 -0.312 94.145 1.00 25.52 1720 O PHE A 214 -53.677 -0.437 95.157 1.00 25.52 1721 N TYR A 215 -54.261 0.766 93.385 1.00 25.88 1722 CA TYR A 215 -53.219 1.734 93.670 1.00 25.86 1723 CB TYR A 215 -52.675 2.327 92.367 1.00 25.86										
1715 CE1 PHE A 214 -59.361 1.557 95.302 1.00 25.33 1716 CE PHE A 214 -59.500 1.479 94.396 1.00 25.34 1717 CE2 PHE A 214 -59.500 0.360 93.564 1.00 25.76 1718 CD2 PHE A 214 -59.500 0.360 93.564 1.00 25.76 1718 CD2 PHE A 214 -54.356 -0.312 94.145 1.00 25.42 1719 C PHE A 214 -54.356 -0.312 94.145 1.00 25.52 1720 O PHE A 214 -54.356 -0.312 94.145 1.00 25.52 1721 NTYR A 215 -54.261 0.766 93.385 1.00 25.86 1722 CA TYR A 215 -53.219 1.734 93.670 1.00 25.86 1723 CB TYR A 215 -52.675 2.327 92.367 1.00 25.86										
1716 CZ PHE A 214 -59.400 1.474 94.396 1.00 25.34 1718 CE2 PHE A 214 -59.500 0.360 93.564 1.00 25.76 1719 CD2 PHE A 214 -58.552 -0.641 93.647 1.00 25.42 1712 C PHE A 214 -54.356 -0.312 94.145 1.00 25.52 1720 O PHE A 214 -54.367 -0.437 95.157 1.00 25.22 1721 N TYR A 215 -54.261 0.766 93.385 1.00 25.86 1722 Ca TYR A 215 -53.219 1.734 93.767 1.00 25.82 1723 CB TYR A 215 -52.675 2.327 92.367 1.00 25.83										
1717 CE2 PHE A 214 -59.500 0.360 93.564 1.00 25.76 1718 CD2 PHE A 214 -58.552 -0.614 93.647 1.00 25.22 1719 C PHE A 214 -54.356 -0.312 94.145 1.00 25.52 1720 O PHE A 214 -54.356 -0.312 94.145 1.00 25.52 1721 N TYR A 215 -54.261 0.766 93.385 1.00 25.86 1722 CA TYR A 215 -52.279 1.734 93.670 1.00 25.86 1723 CB TYR A 215 -52.675 2.327 92.367 1.00 25.86										
1718 CD2 PHE A 214 -58.552 -0.641 93.647 1.00 25.42 1720 O PHE A 214 -54.356 -0.312 94.145 1.00 25.52 1721 N PHE A 214 -53.677 -0.437 95.157 1.00 25.22 1721 N TYR A 215 -54.261 0.766 93.385 1.00 25.88 1722 CA TYR A 215 -53.219 1.734 93.670 1.00 25.86 1723 CB TYR A 215 -52.675 2.327 92.367 1.00 25.83	1717	CE2				-59.500				
1719 C PHE A 214 -54.356 -0.312 94.145 1.00 25.52 1720 O PHE A 214 -53.677 -0.437 95.157 1.00 25.22 1721 N TYR A 215 -54.261 0.766 93.385 1.00 25.86 1722 CA TYR A 215 -53.219 1.734 93.670 1.00 25.86 1723 CB TYR A 215 -52.675 2.327 92.367 1.00 25.83	1718									
1720 O PHE A 214 -53.677 -0.437 95.157 1.00 25.22 1721 N TYR A 215 -54.261 0.766 93.385 1.00 25.88 1722 CA TYR A 215 -53.219 1.734 93.670 1.00 25.86 1723 CB TYR A 215 -52.675 2.327 92.367 1.00 25.86										
1721 N TYR A 215 -54.261 0.766 93.385 1.00 25.88 1722 CA TYR A 215 -53.219 1.734 93.670 1.00 25.86 1723 CB TYR A 215 -52.675 2.327 92.367 1.00 25.83	1720									
1723 CB TYR A 215 -52.675 2.327 92.367 1.00 25.83										
1723 CB TYR A 215 -52.675 2.327 92.367 1.00 25.83	1722	CA	TYR	Α	215	-53.219	1.734	93.670	1.00	25.86
	1723	CB	TYR	Α	215		2.327	92.367	1.00	25.83
	1724	CG	TYR	Α	215	-52.158	1.223	91.478	1.00	25.90

FIGURE 3 AH

A	В	C	D	E		F		G	F	i		Ι	J
				015		0.00							
1725	CD1	TYR				.962		673		474			24.54
1726	CE1	TYR					-0.			677			22.91
1727	CZ	TYR				.224	-0.			891			23.93
1728	OH	TYR				.772	-1.			118			23.07
1729	CE2	TYR				.412	-0.			891			22.24
1730	CD2	TYR				.883		682		676			23.91
1731	C	TYR				.668		785		648			26.58
1732	0	TYR				.848		371		382			26.13
1733	N	SER				.975		003		656			26.91
1734	CA	SER				.603		961		541			28.06
1735	CB	SER				.359		596		006			28.14
1736	OG	SER				.333		212		838			28.49
1737	С	SER				.136		390		284			28.60
1738	0	SER				.522		698		256		.00	
1739	N	ASP				.438		256		245			29.85
1740	CA	ASP				.048		658		150			31.23
1741	CB	ASP				.684		468		306			32.03
1742	CG	ASP				.235		517		212			36.76
1743	OD1	ASP				.792		879		126		.00	37.66
1744	OD2	ASP				.985		184	98.	171			41.02
1745	С	ASP				.517		768		135			31.09
1746	0	ASP				.792		883		615			30.94
1747	N	GLU				.030		851		564			31.23
1748	CA	GLU				.600		117		495		.00	31.57
1749	CB	GLU				.380	10.			911			31.79
1750	CG	GLU				.948	10.			981			34.28
1751	CD	GLU				.771	12.			364		.00	36.98
1752	OE1	GLU				.607	12.			204		.00	38.67
1753	OE2	GLU				.792	13.			038		.00	38.85
1754	C	GLU				.831		923		823		.00	31.30
1755	0	GLU				.649		593		808		.00	30.88
1756	N	SER				.507		105		958			31.27
1757	CA	SER				.917		889		300			31.15
1758	CB			219		.870		442	100.				31.69
1759	OG	SER				.089	10.		100.				35.63
1760	C	SER				.580		447		723		.00	30.25
1761	0	SER				.831		254	100.				29.72
1762	N	LEU				.176		438		080			29.12
1763	CA	LEU				.864		051		446			28.25
1764	CB	LEU				.833		071		791			27.97
1765	CG	LEU				.445		973		649		.00	
1766	CD1	LEU				744		692		827			26.88
1767	CD2	LEU				.643		669	100.				25.26
1768	C	LEU				.494		801		856			27.67
1769	0	LEU				.348		774		627			26.93
1770	N	GLN				.487		604		693			27.07
1771	CA	GLN				.165		439		115			27.05
1772	CB	GLN				.035		916	100.				26.55
1773	CG	GLN				.174		856	100.				27.44
1774	CD	GLN				.153		353	101.				27.15
1775	OE1	GLN	Α	221	-44	.189	3.	907	102.	788	1	.00	26.51

FIGURE 3 AI

1776 NE2	A	В	С	D	Е	F	G	Н	I	J
1777	1776	NE2	GLN	А	221	-43.24	1 5.233	101.247	1.00	23.19
1779										
1779										
1780 CA										
1781 CB										
1782 CG										
1783 CDI										
1784 CE1										
1785 CZ										
1786 OH TYR A222 -41.604 -0.109 101.163 1.00 25.00 1787 CEZ TYR A222 -43.834 0.679 101.350 1.00 25.91 1788 CDZ TYR A222 -45.164 0.620 100.994 1.00 26.23 1791 O TYR A222 -49.843 0.320 98.802 1.00 26.17 1791 N PRO A223 -50.208 -0.638 96.309 1.00 26.55 1793 CB PRO A223 -50.208 -0.638 96.309 1.00 24.57 1793 CB PRO A223 -48.666 -0.323 94.844 1.00 24.57 1795 CD PRO A223 -47.873 -0.199 95.791 1.00 24.57 1795 O PRO A223 -50.736 -1.752 97.186 1.00 24.57 1795 O <td></td>										
1787 CB2										
1788 CD2										
1789 C TYR A 222 -48.854 0.235 98.802 1.00 26.17 1791 N PRO A 223 -48.834 0.320 98.802 1.00 26.50 1792 Ca PRO A 223 -49.861 -1.139 98.802 1.00 25.50 1793 CB PRO A 223 -59.8061 -1.139 94.894 1.00 24.97 1795 CD PRO A 223 -47.873 -0.199 95.791 1.00 24.47 1797 C PRO A 223 -50.736 -1.752 97.186 1.00 24.85 1798 N LYS A 224 -52.049 -1.890 97.199 1.00 25.28 1799 C PRO A 223 -9.977 -2.469 97.821 1.00 26.38 1800 CB LYS A 224 -52.049										
1790										
1791										
1792 CA	1791	N	PRO	А	223	-48.93			1.00	25.52
1793 CB		CA								
1795										
1795 CD										
1796 C										
1798 N 1798 N										
1798										
1799 CA										
1801 CG LYS A 224 -54.884 -3.505 99.113 1.00 31.45 1802 CD LYS A 224 -56.300 -3.033 99.415 1.00 34.45 1804 WZ LYS A 224 -57.258 -4.231 99.540 1.00 40.77 1805 C LYS A 224 -53.093 -4.046 96.941 1.00 26.68 1806 O LYS A 224 -53.3093 -4.046 96.941 1.00 26.68 1807 N THR A 225 -53.150 -52.77 97.70 1.00 26.68 1809 CB THR A 225 -53.533 -6.366 96.555 1.00 25.55 1810 OCI THR A 225 -51.293 -7.181 96.178 1.00 25.61 1811 OCZ THR A 225 -										
1801 CG LYS A 224 -54.884 -3.505 99.113 1.00 31.45 1802 CD LYS A 224 -56.300 -3.033 99.415 1.00 34.45 1804 WZ LYS A 224 -57.258 -4.231 99.540 1.00 40.77 1805 C LYS A 224 -53.093 -4.046 96.941 1.00 26.68 1806 O LYS A 224 -53.3093 -4.046 96.941 1.00 26.68 1807 N THR A 225 -53.150 -52.77 97.70 1.00 26.68 1809 CB THR A 225 -53.533 -6.366 96.555 1.00 25.55 1810 OCI THR A 225 -51.293 -7.181 96.178 1.00 25.61 1811 OCZ THR A 225 -	1800	CB	LYS	Α	224	-54.00	5 -2.404	98.559	1.00	26.73
1802 CD LYS A 224 -56.300 -3.033 99.415 1.00 38.45 1803 CE LYS A 224 -57.258 -4.231 99.540 1.00 40.77 1804 WZ LYS A 224 -58.666 -3.805 99.861 1.00 43.53 1805 C LYS A 224 -53.396 -3.787 95.770 1.00 26.66 1807 N THR A 225 -53.330 -63.66 96.555 1.00 25.90 1808 CA THR A 225 -53.150 -5.277 97.413 1.00 25.90 1810 OGI THR A 225 -52.553 -7.532 96.755 1.00 25.53 1811 OG2 THR A 225 -52.553 -7.181 96.178 1.00 25.61 1812 C THR A 225 -	1801		LYS	Α	224				1.00	
1803 CE LYS A 224 -57.258 -4.231 99.540 1.00 40.77 1804 Nz LYS A 224 -58.666 -3.805 99.861 1.00 40.77 1806 C LYS A 224 -53.093 -4.046 96.941 1.00 26.16 1807 N THR A 225 -53.150 -5.277 97.413 1.00 25.55 1809 CB THR A 225 -52.553 -75.329 96.751 1.00 25.55 1810 OG1 THR A 225 -52.553 -7.181 96.178 1.00 25.61 1811 CG2 THR A 225 -52.972 -8.742 95.973 1.00 25.61 1812 C THR A 225 -55.212 -71.67 98.029 1.00 25.61 1813 O THR A 225 -55.212 -71.67 98.029 1.00 25.34 1815										
1804 NZ XZ XS A 224 -58.666 - 3.805 99.861 1.00 43.53 1805 C LYS A 224 -53.993 -4.046 96.941 1.00 26.168 1806 O LYS A 224 -53.346 -37.787 97.701 1.00 26.68 1807 N THR A 225 -53.150 -52.277 97.413 1.00 25.50 1808 CA THR A 225 -53.150 -52.277 97.413 1.00 25.90 1801 OGI THR A 225 -53.533 -6.366 96.555 1.00 25.55 1811 OG2 THR A 225 -51.293 -7.181 96.178 1.00 25.55 1812 C THR A 225 -52.972 -8.742 95.37 1.00 25.55 1813 O THR A 225 -54.955 -6.775 96.912 1.00 25.55 1814 N VAL A 226 -55.990 -6.644 95.973 1.00 25.50 1815 CA VAL A 226 -57.248 -7.081 96.291 1.00 25.50 1817 CG1 VAL A 226 -58.991 -6.298 95.497 1.00 25.63										
1806 O LYS A 224 -53.346 -3.787 95.770 1.00 25.66 1807 N THR A 225 -53.150 -52.77 97.413 1.00 25.95 1809 CB THR A 225 -53.533 -6.366 96.555 1.00 25.95 1810 OGE THR A 225 -51.293 -7.161 96.178 1.00 25.95 1811 CG2 THR A 225 -52.972 -8.742 95.377 1.00 25.55 1813 C THR A 225 -52.972 -8.742 95.397 1.00 25.65 1813 O THR A 225 -55.2972 -8.742 95.377 1.00 25.50 1813 O THR A 225 -55.2972 -8.742 95.397 1.00 25.50 1814 N VAL A 226 -5	1804	NZ	LYS	Α	224	-58.66	6 -3.805	99.861		43.53
1806 O LYS A 224 -53.346 -3.78P 95.770 1.00 256.68 1807 N THR A 225 -53.515 -52.77 97.413 1.00 25.93 1809 CB THR A 225 -53.533 -6.366 96.555 1.00 25.537 1810 CG1 THR A 225 -51.293 -7.181 96.178 1.00 25.37 1811 CG2 THR A 225 -52.972 -8.742 95.937 1.00 25.25 1813 O THR A 225 -54.955 -6.775 96.912 1.00 25.51 1814 N VAL A 226 -55.212 -7.167 98.029 1.00 25.50 1815 CA VAL A 226 -55.291 -7.274 95.992 1.00 25.00 1816 CB VAL A 226	1805	С	LYS	Α	224	-53.09	3 -4.046	96.941	1.00	26.16
1808 CA THR A 225 -53.533 -6.366 96.555 1.00 25.55 1810 OCI THR A 225 -52.555 -7.523 96.751 1.00 25.37 1811 OCI THR A 225 -51.293 -7.181 96.178 1.00 25.61 1812 C THR A 225 -54.955 -6.775 96.912 1.00 25.53 1813 O THR A 225 -55.212 -7.167 98.029 1.00 25.34 1814 N VAL A 226 -55.299 -6.654 98.973 1.00 25.34 1815 CA VAL A 226 -55.212 -7.167 98.029 1.00 25.34 1816 CB VAL A 226 -57.248 -7.081 96.259 1.00 25.10 1817 CGI VAL A 226 -58.089 -6.64 -9.18 95.590 1.00 25.63	1806		LYS	Α	224	-53.34	6 -3.787	95.770	1.00	26.68
1808 CA THR A 225 -53.533 -6.366 96.555 1.00 25.55 1810 OCI THR A 225 -52.555 -7.523 96.751 1.00 25.37 1811 OCI THR A 225 -51.293 -7.181 96.178 1.00 25.61 1812 C THR A 225 -54.955 -6.775 96.912 1.00 25.53 1813 O THR A 225 -55.212 -7.167 98.029 1.00 25.34 1814 N VAL A 226 -55.299 -6.654 98.973 1.00 25.34 1815 CA VAL A 226 -55.212 -7.167 98.029 1.00 25.34 1816 CB VAL A 226 -57.248 -7.081 96.259 1.00 25.10 1817 CGI VAL A 226 -58.089 -6.64 -9.18 95.590 1.00 25.63	1807	N	THR	Α	225	-53.15	0 -5.277	97.413	1.00	25.90
1809 CB THR A 225 -52.553 -7.532 96.751 1.00 25.261 1811 CG2 THR A 225 -51.293 -7.181 96.178 1.00 25.61 1812 C THR A 225 -52.972 -8.742 95.937 1.00 25.60 1813 O THR A 225 -55.212 -7.167 98.029 1.00 25.50 1814 N VAL A 226 -55.890 -6.654 95.937 1.00 25.53 1815 CA VAL A 226 -58.291 -6.298 95.437 1.00 25.59 1816 CB VAL A 226 -58.291 -6.298 95.437 1.00 25.59 1817 CG1 VAL A 226 -58.291 -6.918 95.590 1.00 25.63 1819 C VAL A 226 -58.308 -4.843 95.852 1.00 23.61 1820										
1811 CG2 THR A 225 -52.972 -8.742 95.937 1.00 25.25 1813 O THR A 225 -54.955 -6.775 96.912 1.00 25.60 1814 N VAL A 225 -55.212 -7.167 98.029 1.00 25.53 1815 CA VAL A 226 -55.890 -6.654 95.973 1.00 25.53 1816 CB VAL A 226 -57.248 -7.081 96.259 1.00 25.59 1817 CG1 VAL A 226 -58.291 -6.298 95.437 1.00 25.59 1819 C VAL A 226 -58.894 -6.918 95.590 1.00 23.61 1819 C VAL A 226 -58.308 -4.843 95.852 1.00 23.61 1819 C VAL A 226 -57.326 -8.554 95.12 1.00 25.63 1820 O VAL A 226 -56.780 -8.984 94.901 1.00 25.63 1821 N ARG A 227 -57.982 -9.327 96.766 <	1809	CB	THR	Α	225	-52.55	3 -7.532	96.751	1.00	25.37
1812 C THR A 225 -54.955 -6.775 96.912 1.00 25.60 1813 O THR A 225 -55.212 -7.167 98.029 1.00 25.33 1814 N VAL A 226 -55.890 -6.654 95.973 1.00 25.53 1815 CA VAL A 226 -58.291 -6.298 95.437 1.00 25.50 1817 CG1 VAL A 226 -58.694 -6.918 95.437 1.00 25.51 1818 CG2 VAL A 226 -59.694 -6.918 95.850 1.00 23.61 1819 C VAL A 226 -57.326 -8.554 95.12 1.00 25.63 1820 O VAL A 226 -57.326 -8.554 95.191 1.00 25.63 1821 N ARG A 227 -57.982 -9.327 96.766 1.00 26.04 1821 N ARG A 227 -58.085 -10.752 96.574 1.00 26.04 1822 CA ARG A 227 -57.274 -11.497 97.636	1810	OG1	THR	Α	225	-51.29	3 -7.181	96.178	1.00	25.61
1813 0 THR A 225 -55.212 -7.167 98.029 1.00 25.34 1815 CA VAL A 226 -55.890 -6.654 95.973 1.00 25.53 1815 CB VAL A 226 -57.248 -7.081 96.259 1.00 25.10 1816 CB VAL A 226 -58.291 -6.298 95.437 1.00 25.59 1817 CG1 VAL A 226 -59.694 -6.918 95.590 1.00 23.61 1818 CG2 VAL A 226 -59.694 -6.918 95.590 1.00 23.61 1819 CC VAL A 226 -58.308 -4.843 95.852 1.00 23.96 1820 O VAL A 226 -56.780 -8.954 95.912 1.00 25.63 1821 N ARG A 227 -57.326 -8.954 94.901 1.00 25.43 1821 N ARG A 227 -57.992 -9.327 96.766 1.00 26.04 1822 CA ARG A 227 -58.085 -10.752 96.574 1.00 26.94 1823 CB ARG A 227 -57.274 -11.497 97.636 1.00 27.10 1824 CG ARG A 227 -55.813 -11.080 97.664 1.00 29.19 1825 CD ARG A 227 -55.813 -11.080 97.664 1.00 29.19	1811	CG2	THR	Α	225	-52.97	2 -8.742	95.937	1.00	25.25
1814 N VAL A 226 -55.890 -6.654 95.973 1.00 25.53 1815 CB VAL A 226 -57.248 -7.081 96.259 1.00 25.10 1816 CB VAL A 226 -58.291 -6.298 95.437 1.00 25.59 1817 CG1 VAL A 226 -58.291 -6.918 95.837 1.00 23.61 1818 CG2 VAL A 226 -58.308 -4.843 95.852 1.00 23.96 1819 C VAL A 226 -58.308 -4.843 95.852 1.00 23.96 1819 C VAL A 226 -57.326 -8.554 95.912 1.00 25.63 1820 O VAL A 226 -56.780 -8.984 94.901 1.00 25.63 1821 N ARG A 227 -57.982 -9.327 96.766 1.00 26.04 1822 CB ARG A 227 -58.085 -10.752 96.574 1.00 26.89 1823 CB ARG A 227 -57.274 -11.479 97.636 1.00 27.10 1824 CG ARG A 227 -55.813 -11.080 97.636 1.00 27.10 1825 CD ARG A 227 -55.813 -11.080 97.636 1.00 27.10 1825 CD ARG A 227 -55.813 -11.080 97.636 1.00 27.10 1825 CD ARG A 227 -55.813 -11.080 97.636 1.00 27.10	1812	C	THR	Α	225	-54.95	5 -6.775	96.912	1.00	25.60
1815 CA VAL A 226 -57.248 -7.081 96.259 1.00 25.10 1817 CG1 VAL A 226 -59.694 -6.918 95.590 1.00 23.61 1818 CG2 VAL A 226 -58.308 -4.843 95.590 1.00 23.96 1820 O VAL A 226 -56.736 -8.984 94.901 1.00 25.43 1821 N ARG A 227 -57.982 -9.327 96.574 1.00 25.43 1822 CA ARG A 227 -58.085 -10.752 96.574 1.00 25.04 1823 CB ARG A 227 -57.274 -11.497 97.636 1.00 27.10 1824 CG ARG A 227 -55.813 -11.080 97.664 1.00 26.94 1825 CD ARG A 227 -55.813 -11.080 97.664 1.00 29.19 1825	1813		THR	Α	225	-55.21	2 -7.167	98.029	1.00	25.34
1816 CB VAL A 226 -58.291 -6.298 95.437 1.00 25.59 1817 CG1 VAL A 226 -59.694 -6.918 95.590 1.00 23.61 1819 C VAL A 226 -58.308 -4.843 95.852 1.00 23.96 1820 O VAL A 226 -56.73.26 -8.554 95.912 1.00 25.63 1821 N ARG A 227 -57.982 -9.327 96.766 1.00 26.04 1822 CA ARG A 227 -57.274 -11.497 97.636 1.00 27.10 1824 CG ARG A 227 -55.813 -11.080 97.664 1.00 26.91 1825 CD ARG A 227 -55.813 -11.080 97.664 1.00 26.91 1825 CD ARG A 227 -55.813 -11.080 97.664 1.00 26.92		N				-55.89	0 -6.654	95.973		
1817 CG1 VAL A 226 -59.694 -6.918 95.590 1.00 23.61 1818 CG2 VAL A 226 -58.308 -4.843 95.852 1.00 23.96 1819 C VAL A 226 -57.326 -8.554 95.912 1.00 25.63 1821 N ARG A 227 -57.982 -9.327 96.766 1.00 25.43 1822 CA ARG A 227 -57.982 -9.327 96.766 1.00 26.09 1823 CB ARG A 227 -57.274 -11.497 97.636 1.00 27.10 1824 CG ARG A 227 -55.813 -11.080 97.664 1.00 29.19 1825 CD ARG A 227 -55.813 -11.080 98.648 1.00 31.64	1815	CA	VAL	Α	226	-57.24	8 -7.081	96.259	1.00	25.10
1818 CG2 VAL A 226 -58.308 -4.843 95.852 1.00 23.96 1820 O VAL A 226 -57.326 -8.554 95.912 1.00 25.63 1821 N ARG A 227 -57.926 -9.327 96.766 1.00 25.43 1822 CA ARG A 227 -57.992 -9.327 96.766 1.00 26.04 1823 CB ARG A 227 -58.868 -10.752 96.574 1.00 26.94 1823 CB ARG A 227 -57.274 -11.497 97.636 1.00 27.10 1824 CG ARG A 227 -55.813 -11.080 97.664 1.00 29.19 1825 CD ARG A 227 -54.920 -11.828 98.648 1.00 31.64	1816	CB	VAL	Α	226	-58.29	1 -6.298	95.437	1.00	25.59
1819 C VAL A 226 -57.326 -8.554 95.912 1.00 25.63 1820 O VAL A 226 -56.780 -8.984 94.901 1.00 25.63 1821 N ARG A 227 -57.982 -9.327 96.766 1.00 26.04 1822 CA ARG A 227 -58.085 -10.752 96.746 1.00 26.89 1823 CB ARG A 227 -57.274 -11.497 97.636 1.00 27.10 1824 CG ARG A 227 -55.813 -11.080 97.664 1.00 29.19 1825 CD ARG A 227 -54.920 -11.828 98.648 1.00 31.64	1817	CG1	VAL	Α	226	-59.69	4 -6.918	95.590	1.00	23.61
1820 O VAL A 226 -56.780 -8.984 94.901 1.00 25.43 1821 N ARG A 227 -57.982 -9.327 96.766 1.00 26.04 1822 CA ARG A 227 -58.085 -10.752 96.574 1.00 26.89 1823 CB ARG A 227 -57.274 -11.497 97.636 1.00 27.10 1824 CG ARG A 227 -55.813 -11.080 97.664 1.00 29.19 1825 CD ARG A 227 -54.920 -11.828 98.648 1.00 31.64	1818	CG2	VAL	Α	226	-58.30	8 -4.843	95.852	1.00	23.96
1821 N ARG A 227 -57.982 -9.327 96.766 1.00 26.04 1822 CA ARG A 227 -58.085 -10.752 96.574 1.00 26.89 1823 CB ARG A 227 -57.274 -11.497 97.636 1.00 27.10 1824 CG ARG A 227 -55.813 -11.080 97.664 1.00 29.19 1825 CD ARG A 227 -54.920 -11.828 98.648 1.00 31.64	1819	С	VAL	Α	226	-57.32	6 -8.554	95.912	1.00	25.63
1822 CA ARG A 227 -58.085 -10.752 96.574 1.00 26.89 1823 CB ARG A 227 -57.274 -11.497 97.636 1.00 27.10 1824 CG ARG A 227 -55.813 -11.080 97.664 1.00 29.19 1825 CD ARG A 227 -54.920 -11.826 98.648 1.00 31.64	1820	0	VAL	Α	226	-56.78	0 -8.984	94.901	1.00	25.43
1822 CA ARG A 227 -58.085 -10.752 96.574 1.00 26.89 1823 CB ARG A 227 -57.274 -11.497 97.636 1.00 27.10 1824 CG ARG A 227 -55.813 -11.080 97.664 1.00 29.19 1825 CD ARG A 227 -54.920 -11.828 98.648 1.00 31.64	1821	N	ARG	Α	227	-57.98	2 -9.327	96.766	1.00	26.04
1823 CB ARG A 227 -57.274 -11.497 97.636 1.00 27.10 1824 CG ARG A 227 -55.813 -11.080 97.664 1.00 29.19 1825 CD ARG A 227 -54.920 -11.828 98.648 1.00 31.64	1822	CA				-58.08	5 -10.752	96.574	1.00	26.89
1825 CD ARG A 227 -54.920 -11.828 98.648 1.00 31.64	1823	CB	ARG	Α	227	-57.27	4 -11.497		1.00	27.10
	1824	CG	ARG	Α	227	-55.81	3 -11.080	97.664	1.00	29.19
1826 NE ARG A 227 -53.504 -11.567 98.358 1.00 35.93	1825	CD	ARG	Α	227	-54.92	0 -11.828	98.648	1.00	31.64
	1826	NE	ARG	Α	227	-53.50	4 -11.567	98.358	1.00	35.93

FIGURE 3 AJ

A	В	C	D	E	F	,	G	H	I	J
1827	CZ	ARG	Δ	227	-52 7	152	-10.621	98.943	1 00	36.92
1828	NH1	ARG			-53.2		-9.829	99.885		37.20
1829	NH2	ARG			-51.4		-10.480	98.590	1.00	35.93
1830	С	ARG					-11.122	96.677	1.00	27.13
1831	0	ARG					-10.820	97.672		27.94
1832	N	VAL					-11.751	95.641		26.85
1833	CA	VAL					-12.133	95.722		26.24
1834	CB	VAL					-11.041	95.174		26.15
1835	CG1	VAL					-11.665	94.551	1.00	26.07
1836	CG2	VAL					-10.114	94.239	1.00	26.89
1837	C	VAL					-13.519	95.195		25.78
1838	ō	VAL			-61.3		-13.887	94.111		26.53
1839	N			229			-14.301	96.019		25.21
1840	CA			229			-15.669	95.672	1.00	
1841	CB			229			-16.071	96.834		25.29
1842	CG	PRO	А	229	-63.2	29	-15.220	97.994	1.00	25.36
1843	CD			229			-13.898	97.360		24.47
1844	C			229	-63.6			94.375		24.65
1845	0	PRO	Α	229	-64.7	60	-15.183	94.347	1.00	24.19
1846	N	TYR	Α	230	-62.9	64	-16.027	93.289	1.00	24.36
1847	CA	TYR	Α	230	-63.5	63	-15.911	91.983	1.00	23.77
1848	CB	TYR	Α	230	-63.0	07	-14.676	91.319	1.00	24.05
1849	CG	TYR					-14.382	89.923		23.33
1850	CD1	TYR					-13.189	89.647	1.00	19.84
1851	CE1	TYR	Α	230	-64.5	65	-12.895	88.384	1.00	19.63
1852	CZ	TYR	Α	230	-64.3	25	-13.783	87.349	1.00	19.88
1853	OH	TYR	Α	230	-64.7	26	-13.443	86.090	1.00	21.53
1854	CE2	TYR	Α	230	-63.6	51	-14.972	87.564	1.00	20.98
1855	CD2	TYR	Α	230	-63.2	28	-15.263	88.859	1.00	24.22
1856	С	TYR	Α	230	-63.1	.99	-17.142	91.200	1.00	24.08
1857	0	TYR	Α	230	-62.0	129	-17.390	90.902	1.00	24.05
1858	N	PRO	Α	231	-64.2	22	-17.915	90.868		23.61
1859	CA	PRO	Α	231	-64.0	149	-19.161	90.144	1.00	23.30
1860	CB	PRO	Α	231	-65.3	16	-19.934	90.491	1.00	23.32
1861	CG	PRO					-18.985	91.237		24.17
1862	CD	PRO	Α	231	-65.€	30	-17.626	91.155		23.35
1863	С	PRO	Α	231	-64.0	25	-18.918	88.635	1.00	22.79
1864	0	PRO					-18.539	88.061		22.19
1865	N	LYS					-19.133	88.017		22.32
1866	CA	LYS			-62.7		-19.057	86.570		22.26
1867	CB	LYS					-18.732	86.160		22.67
1868	CG	LYS					-17.367	86.648		21.38
1869	CD	LYS			-59.4			86.162		20.10
1870	CE	LYS					-15.620	86.638	1.00	18.95
1871	NZ	LYS			-59.2			85.598		17.84
1872	C	LYS			-63.2		-20.385	85.954		22.23
1873	0	LYS			-63.5		-21.348	86.672		22.23
1874	N	ALA			-63.4		-20.420	84.635		21.66
1875	CA	ALA			-63.9		-21.579	83.962		21.92
1876	CB	ALA					-21.419	82.426		21.89
1877	С	ALA	А	233	-63.3	35	-22.874	84.428	1.00	21.87

FIGURE 3 AK

A	В	С	D	E		F	G	Н	I	J
1878	0	ALA	А	233	-6	2.128	-22.988	84.387	1.00	21.97
1879	N			234		4.133				22.24
1880	CA			234		3.599	-25.090			22.87
1881	C	GLY				2.986	-25.160		1.00	
1882	ō			234		2.630	-26.261	87.277		23.88
1883	N	ALA				2.850	-24.023		1.00	
1884	CA	ALA				2.237	-24.007			23.51
1885	CB	ALA				1.771	-22.575			22.75
1886	C	ALA				3.213	-24.538		1.00	23.19
1887	ō			235		4.340	-24.820			23.52
1888	N	VAL				2.822	-24.689		1.00	
1889	CA	VAL				3.838	-25.200			24.29
1890	CB	VAL				3.298	-26.066			25.20
1891	CG1	VAL				3.504	-25.396		1.00	
1892	CG2	VAL				1.850	-26.641	92.988	1.00	
1893	С	VAL			-6	4.771	-24.075		1.00	24.63
1894	ō	VAL				4.329	-22.929			25.18
1895	N	ASN				6.062	-24.394	92.436		24.56
1896	CA	ASN				7.118	-23.434	92.743	1.00	
1897	CB	ASN				8.394	-23.824	92.004	1.00	
1898	CG	ASN				8.445	-23.246		1.00	
1899	OD1	ASN				7.634	-22.392			27.31
1900	ND2	ASN				9.406	-23.683			23.82
1901	C	ASN				7.444	-23.358		1.00	
1902	ō	ASN				7.070	-24.222			25.69
1903	N			238		8.090	-22.279		1.00	25.96
1904	CA			238		8.683	-22.233			26.32
1905	CB			238		9.400	-20.884	95.952		26.42
1906	CG			238		9.528	-20.553		1.00	
1907	CD			238		8.230	-20.992		1.00	
1908	C			238		9.727	-23.344	96.060	1.00	27.23
1909	ō			238		0.230	-23.827		1.00	
1910	N			239		0.046	-23.741	97.286		28.17
1911	CA			239		1.105	-24.692	97.512	1.00	
1912	CB			239		0.609			1.00	
1913	OG1			239		9.917	-25.283		1.00	29.54
1914	CG2			239		9.513	-26.673			25.81
1915	С			239		2.177	-23.878			29.49
1916	ō			239		1.887	-22.802		1.00	29.73
1917	N	VAL				3.411	-24.373		1.00	
1918	CA	VAL				4.530	-23.672		1.00	30.90
1919	CB	VAL				5.606	-23.309		1.00	30.78
1920	CG1	VAL				5.900	-21.829		1.00	31.50
1921	CG2	VAL	Α	240	-7	5.293	-23.920		1.00	30.72
1922	C	VAL				5.343	-24.545		1.00	31.57
1923	0	VAL				5.595	-25.727		1.00	31.33
1924	N	LYS				5.836			1.00	32.00
1925	CA	LYS					-24.559		1.00	32.73
1926	CB	LYS					-24.783		1.00	33.06
1927	CG	LYS					-26.011		1.00	33.99
1928	CD	LYS					-26.061			37.77

FIGURE 3 AL

A	В	C	D	E	F		G	H	1	J
	-				70.00					
1929	CE	LYS			-73.90			104.833	1.00	39.21
1930	NZ			241	-72.86			103.872	1.00	42.49
1931	С	LYS			-77.96		.675	101.872	1.00	33.02
1932	0			241	-77.87		.447	101.862	1.00	32.97
1933	N			242	-79.11		.304	101.997	1.00	33.38
1934	CA			242	-80.32		.553	102.201	1.00	34.14
1935	CB			242	-81.36		.875	101.138	1.00	33.59
1936	CG			242	-82.37		.804	100.980	1.00	32.07
1937	CD1			242	-82.06		.641	100.303	1.00	30.58
1938	CE1	PHE	Α	242	-82.99	5 -20	.652	100.165	1.00	29.57
1939	CZ	PHE	Α	242	-84.25	0 -20	.810	100.728	1.00	31.16
1940	CE2	PHE	Α	242	-84.56	1 -21	.963	101.422	1.00	29.96
1941	CD2	PHE	Α	242	-83.63	B -22	.939	101.546	1.00	30.79
1942	С	PHE	Α	242	-80.90	1 -23	.790	103.595	1.00	35.20
1943	0	PHE	Α	242	-80.82	2 -24	.895	104.140	1.00	35.41
1944	N	PHE	Α	243	-81.48	0 -22	.742	104.164	1.00	36.01
1945	CA			243	-81.97		.807	105.527	1.00	36.78
1946	CB			243	-80.93		.289	106.516	1.00	35.91
1947	CG			243	-79.66		.077	106.568	1.00	35.81
1948	CD1			243	-78.54		.647	105.870	1.00	34.72
1949	CE1			243	-77.35		.344	105.936	1.00	33.39
1950	CZ			243	-77.26		.486	106.717	1.00	35.51
1951	CE2			243	-78.37		.924	107.442	1.00	34.98
1952	CD2			243	-79.56		.209	107.368	1.00	35.08
1953				243	-83.15		.875	105.645	1.00	37.64
1954	C O			243	-83.21			103.643	1.00	37.68
					-84.08					
1955	N			244	-85.18			106.516	1.00	38.88
1956 1957	CA	VAL			-86.44			106.819	1.00	39.81
	CB	VAL						106.011	1.00	
1958	CG1	VAL			-86.66		.099		1.00	40.45
1959	CG2	VAL			-87.66		.917	106.589	1.00	39.49
1960	C	VAL			-85.38			108.341	1.00	40.81
1961	0	VAL			-85.36		.311	109.025	1.00	40.73
1962	N	VAL						108.871	1.00	41.56
1963	CA	VAL			-85.66			110.302		42.70
1964	CB	VAL			-84.49		.061	110.867	1.00	42.62
1965	CG1	VAL			-84.60		.607			41.92
1966	CG2	VAL			-84.42			112.381		42.55
1967	С	VAL			-86.98		.178		1.00	43.50
1968	0	VAL			-87.40		.286	109.886	1.00	43.71
1969	N	ASN			-87.62		.607	111.700	1.00	44.67
1970	CA	ASN			-88.87		.005	112.169	1.00	45.89
1971	CB	ASN	Α	246	-89.57	4 -19	.983	113.106	1.00	45.69
1972	CG	ASN			-91.02			113.356		45.83
1973	OD1	ASN	Α	246	-91.39	1 -18	.460	113.496		44.42
1974	ND2	ASN			-91.87		.653	113.433	1.00	45.15
1975	C	ASN	Α	246	-88.53		.724	112.927	1.00	46.85
1976	0	ASN	Α	246	-87.88	2 -17	.765	113.956	1.00	46.79
1977	N	THR	Α	247	-88.96			112.427	1.00	48.25
1978	CA	THR	Α	247	-88.61	6 -15	.343	113.114	1.00	49.89
1979	CB	THR	Α	247	-88.52	0 -14	.175	112.123	1.00	49.75

FIGURE 3 AM

A	В	C	D	E	F		G	H	I	J
				0.45						
1980	0G1			247				111.561		49.26
1981	CG2			247	-87.66			110.924		50.06
1982	C			247	-89.58			114.247		51.26
1983	0			247	-89.35			115.010		51.43
1984	N			248	-90.66			114.349		52.69
1985	CA			248	-91.65			115.382		54.07
1986	CB			248	-93.04			114.897		54.08
1987	CG			248	-93.63		4.952	113.906		54.15
1988	OD1			248	-93.16			113.876		54.84
1989	OD2			248	-94.55		5.245	113.123		55.03
1990	С			248	-91.30			116.654		55.20
1991	0			248	-91.78		5.952	117.740		55.47
1992	N			249	-90.44		7.293	116.520		56.35
1993	CA			249	-90.01			117.672	1.00	57.70
1994	CB			249	-90.02		9.562	117.349		57.84
1995	OG			249				116.200		59.31
1996	C			249	-88.62			118.144	1.00	58.50
1997	0			249	-87.88			118.719		58.56
1998	N			250	-88.28			117.907		59.41
1999	CA			250	-86.96			118.321		60.16
2000	CB			250	-86.66			117.798		60.09
2001	CG			250	-85.72			116.581	1.00	59.67
2002	CD1			250	-86.14			115.488		59.18
2003	CD2			250	-85.66			116.025		59.15
2004	C			250	-86.76			119.827		60.99
2005	0			250	-87.63			120.644		60.90
2006	N			251				120.150		
2007	CA			251	-85.21		7.082	121.457		62.33
2008	CB			251	-84.05			121.231		62.77
2009	OG			251	-83.91			119.837		63.26
2010	C			251	-84.86		6.149	122.614		62.50
2011	0			251	-85.28			123.752		62.69
2012	N			252	-84.06		5.121	122.340		62.50
2013	CA	SER	Α	252	-83.64			123.364		62.28
2014	CB			252	-84.85		3.472	124.017		62.54
2015	OG	SER	Α	252	-85.36		2.425	123.206		62.89
2016	С	SER	Α	252	-82.74		4.754	124.439		62.02
2017	0	SER	Α	252	-82.11	0 -14	4.029	125.199	1.00	62.19
2018	N	VAL	Α	253	-82.69	4 -16	6.081	124.499	1.00	61.65
2019	CA	VAL	Α	253	-81.86	6 -16	6.791	125.468	1.00	61.16
2020	CB	VAL	Α	253	-82.69	9 -1	7.302	126.672	1.00	61.48
2021	CG1	VAL	Α	253	-82.22	8 -18	8.683	127.124	1.00	61.20
2022	CG2	VAL	Α	253	-82.64	3 -16	6.297	127.822	1.00	61.38
2023	C	VAL	Α	253	-81.15	5 -1	7.955	124.795	1.00	60.70
2024	0	VAL	Α	253	-79.95	1 -18	8.148	124.977	1.00	60.91
2025	N	THR	Α	254	-81.90	2 -18	B.732	124.017	1.00	59.69
2026	CA	THR	Α	254	-81.30	5 -19	9.823	123.259	1.00	58.90
2027	CB	THR	Α	254	-82.13	4 -23	1.120	123.387	1.00	58.99
2028	OG1	THR	Α	254	-82.20	6 -2:	1.764	122.111	1.00	59.03
2029	CG2	THR	Α	254	-83.58	3 -20	0.812	123.711	1.00	59.10
2030	C	THR	Α	254	-81.10	7 -19	9.413	121.792	1.00	57.99

FIGURE 3 AN

A	В	С	D	E		F	G	H	I	J
2031	0	THR	А	254	-81	.825	-18.557	121.284	1.00	57.99
2032	N	ASN					-20.010			56.82
2033	CA	ASN						119.739		55.54
2034	CB	ASN						119.347		55.63
2035	CG	ASN					-19.398			54.94
2036	OD1	ASN					-18.200			54.46
2037	ND2	ASN						119.890	1.00	56.20
2037	C	ASN					-20.155	118.753	1.00	54.80
2039	Ö	ASN				.358	-21.269		1.00	54.78
2040	N	ALA					-19.304			53.80
2040	CA	ALA				.132	-19.648		1.00	
2042	CB	ALA						115.745 115.990	1.00	52.50
	C								1.00	
2044	0	ALA				.553			1.00	51.68
2045	N	THR					-21.760			50.47
2046	CA	THR					-22.986			49.46
2047	CB	THR					-24.201			49.75
2048	OG1	THR						114.666	1.00	50.68
2049	CG2	THR				.245	-23.764	116.501	1.00	50.21
2050	С	THR				.874		113.489	1.00	48.15
2051	0	THR				.012	-22.517		1.00	48.05
2052	И	SER					-23.115			46.76
2053	CA	SER				.271	-23.006			45.31
2054	CB	SER				.125		110.393		45.03
2055	OG	SER				.925				45.08
2056	C	SER					-24.369			44.36
2057	0	SER					-25.314			44.05
2058	N	ILE					-24.475			43.32
2059	CA	ILE					-25.729		1.00	42.61
2060	CB	ILE				.500	-25.945	109.171		42.56
2061	CG1	ILE					-25.643	110.516	1.00	42.51
2062	CD1	ILE					-26.579			42.12
2063	CG2	ILE					-27.386			41.83
2064	C	ILE	Α	259	-83	.388	-25.743			42.36
2065	0	ILE	Α	259	-83	.662	-24.861	107.039	1.00	42.04
2066	N	GLN	Α	260	-82	.537	-26.731	107.647	1.00	41.69
2067	CA	GLN	Α	260	-81	.911	-26.883	106.357	1.00	41.23
2068	CB	GLN	Α	260	-80	.565	-27.615	106.477	1.00	41.39
2069	CG	GLN	Α	260	-79	.904	-27.935	105.138	1.00	41.31
2070	CD	GLN	Α	260	-78	.462	-28.393	105.287	1.00	41.98
2071	OE1	GLN	Α	260	-78	.074	-28.899	106.343	1.00	43.78
2072	NE2	GLN	Α	260	-77	.663	-28.214	104.235	1.00	40.57
2073	C	GLN	Α	260	-82	.833	-27.666	105.454	1.00	40.52
2074	0	GLN	Α	260	-83	.422	-28.673	105.869	1.00	40.70
2075	N	ILE	Α	261	-82	.973	-27.160	104.234	1.00	39.49
2076	CA	ILE	Α	261	-83	.652	-27.838	103.147	1.00	38.43
2077	CB	ILE	Α	261	-84	.569	-26.861	102.417	1.00	38.11
2078	CG1	ILE	Α	261	-85	.706	-26.408	103.340	1.00	37.92
2079	CD1	ILE	Α	261	-86	.700	-25.455	102.677	1.00	35.89
2080	CG2	ILE	Α	261	-85	.151	-27.501	101.180	1.00	37.85
2081	C	ILE	Α	261	-82	.516	-28.251	102.230	1.00	38.16

FIGURE 3 AO

A	В	C	D	E		F	G	H	I	J
2082	0			261				101.773	1.00	38.33
2083	N			262			-29.545	101.982	1.00	37.42
2084	CA			262	-81.		-30.000	101.141	1.00	37.01
2085	CB			262	-80.		-31.395	101.544	1.00	36.89
2086	OG1			262	-81.		-32.203	101.791	1.00	38.71
2087	CG2	THR			-80.		-31.356	102.896	1.00	37.90
2088	C	THR			-81.		-29.981	99.669	1.00	36.23
2089	0	THR			-82.		-30.100	99.312	1.00	36.03
2090	N			263	-80.		-29.809	98.815	1.00	35.27
2091	CA			263	-80.		-29.827	97.379	1.00	34.96
2092	CB			263	-79.		-29.484	96.600	1.00	34.39
2093	C			263	-81.		-31.215	97.002	1.00	34.41
2094	0			263	-81.		-32.193	97.687	1.00	34.45
2095	N			264	-82.		-31.300	95.911	1.00	34.07
2096	CA	PRO	Α	264	-82.	692	-32.583	95.447	1.00	33.39
2097	CB	PRO	Α	264	-83.		-32.215	94.142	1.00	33.13
2098	CG	PRO	Α	264	-83.	639	-30.758	94.217	1.00	33.45
2099	CD	PRO	Α	264	-82.	520	-30.179	95.024	1.00	33.77
2100	C	PRO	Α	264	-81.	561	-33.552	95.146	1.00	32.55
2101	0	PRO	Α	264	-80.	461	-33.137	94.789	1.00	32.12
2102	N	ALA	Α	265	-81.	832	-34.838	95.306	1.00	32.44
2103	CA	ALA	Α	265	-80.	849	-35.882	95.013	1.00	31.81
2104	CB	ALA	Α	265	-81.	474	-37.267	95.230	1.00	31.65
2105	С	ALA	Α	265	-80.	272	-35.757	93.586	1.00	31.53
2106	0	ALA	Α	265	-79.	090	-35.999	93.363	1.00	31.62
2107	N	SER	Α	266	-81.	108	-35.379	92.629	1.00	31.21
2108	CA	SER	Α	266	-80.	656	-35.159	91.260	1.00	31.53
2109	CB	SER	Α	266	-81.	848	-34.821	90.386	1.00	31.72
2110	OG	SER	Α	266	-82.		-33.672	90.904	1.00	33.45
2111	C			266	-79.		-34.021	91.154	1.00	31.35
2112	0			266	-78		-33.877	90.136	1.00	30.85
2113	N			267	-79.		-33.216	92.202	1.00	30.95
2114	CA			267	-78		-32.155	92.178	1.00	31.20
2115	CB			267	-79.		-30.854	92.728	1.00	31.15
2116	CG			267	-80.		-30.228	91.823	1.00	31.38
2117	SD			267	-79.		-29.441	90.337	1.00	30.99
2118	CE			267	-80.		-29.917	89.134	1.00	26.89
2119	c			267	-77.		-32.519	92.970	1.00	31.38
2120	ŏ			267	-76.		-32.137	92.603	1.00	31.24
2121	N			268	-77.		-33.270	94.052	1.00	32.50
2122	CA			268	-76.		-33.627	95.001	1.00	32.73
2123	CB			268	-77.		-34.249	96.264	1.00	32.88
2124	CG			268	-77		-33.305	97.169	1.00	33.83
2125	CD1			268	-78.		-34.089	98.234	1.00	33.53
2126	CD2			268	-76.		-32.236	97.830	1.00	30.90
2127	C	LEU		268	-75.		-34.554	94.409	1.00	32.58
2128	Ö	LEU		268	-74.		-34.793	95.001	1.00	32.76
2129	N	ILE		269	-75.		-35.073	93.232	1.00	32.48
2130	CA	ILE		269	-74.		-36.006	92.566	1.00	32.76
2131	CB			269	-75.		-36.774	91.474	1.00	32.89
2131	CG1			269	-74.:		-38.139	91.213		35.72
2132	CG1	TTP	T.	209	- /4 .	223	-20.139	21.213	1.00	20.12

FIGURE 3 AP

A	В	C	D	E	F	G	H	I	J
2133	CD1			269		-39.221	92.239		38.91
2134	CG2			269		-35.942	90.196		33.92
2135	C			269	-73.495	-35.326	92.017	1.00	32.19
2136	0			269	-72.519	-35.992	91.644		32.60
2137	N			270	-73.501	-33.996	91.994		31.07
2138	CA			270	-72.343	-33.237	91.559		29.95
2139	С			270	-72.464	-31.754	91.870		29.19
2140	0			270	-73.311	-31.339	92.661	1.00	
2141	N			271	-71.598	-30.950	91.260	1.00	28.45
2142	CA			271	-71.654	-29.507	91.448		27.59
2143	CB			271	-70.558	-28.810	90.654		27.94
2144	CG			271	-69.197	-29.002	91.243		28.64
2145	OD1			271	-69.062	-29.687	92.277		32.28
2146	OD2			271	-68.183	-28.512	90.727	1.00	31.33
2147	С			271	-73.009		90.969		26.80
2148	0			271		-29.442	89.930		26.17
2149	N			272	-73.579		91.734		25.81
2150	CA			272	-74.869	-27.549	91.397		26.04
2151	CB			272	-75.983	-28.440	91.976	1.00	
2152	CG			272	-75.857	-28.670	93.449		26.86
2153	ND1			272	-75.037	-29.641	93.982		28.32
2154	CE1			272	-75.114	-29.605	95.303		28.38
2155	NE2			272	-75.948	-28.641	95.646		27.58
2156	CD2			272	-76.429		94.504		26.93
2157	С			272	-74.982	-26.116	91.924		25.63
2158	0			272	-74.096	-25.620	92.622		25.67
2159	N			273	-76.077	-25.455	91.589		25.18
2160	CA			273	-76.310	-24.097	92.044		25.33
2161	CB			273	-76.217	-23.105	90.898		24.59
2162	CG			273	-74.954	-23.119	90.098	1.00	
2163	CD1			273	-73.790	-22.620	90.624		24.16
2164	CE1			273	-72.643	-22.605	89.888		25.98
2165	CZ			273	-72.636	-23.089	88.598		25.36
2166	OH			273	-71.449	-23.042	87.899		26.59
2167	CE2			273	-73.788	-23.593	88.028		23.35
2168	CD2			273	-74.939	-23.605	88.774		25.51
2169	С			273	-77.721	-23.960	92.564		26.02
2170	0			273	-78.628	-24.701	92.175		26.79
2171	N			274	-77.915	-22.999	93.453		25.96
2172	CA			274	-79.254	-22.659	93.846		25.26
2173	CB			274	-79.278	-22.203	95.295	1.00	
2174	CG			274	-80.563	-21.506	95.733		23.32
2175	CD1			274	-81.768	-22.461	95.653		21.24
2176	CD2			274	-80.383	-20.940	97.129		21.74
2177	C			274	-79.496	-21.499	92.902		25.98
2178	0			274	-78.695	-20.583	92.866		25.32
2179	N			275	-80.567	-21.523	92.114		27.06
2180	CA			275	-80.734	-20.447	91.155		28.60
2181	CB			275	-80.616	-20.952	89.714		28.81
2182	SG			275	-81.862		89.283		32.54
2183	C	CY	S A	275	-81.998	-19.653	91.328	1.00	29.06

FIGURE 3 AQ

2184 O CYS A 313 -82.135 -18.580 90.750 1.00 29 2185 N ASP A 314 -82.936 -20.175 92.101 1.00 29 2186 CA ASP A 314 -84.158 -19.420 92.354 1.00 30	
2185 N ASP A 314 -82.936 -20.175 92.101 1.00 29	9.85 0.43
	.43
2186 CA ASP A 314 -84.158 -19.420 92.354 1 00 30	
	1 40
	1.12
	.91
	1.73
	92
	.46
	1.55
	2.23
	2.71
	2.58
	.85
	3.17
2199 O VAL A 315 -87.252 -16.844 95.163 1.00 33	3.74
2200 N THR A 316 -88.400 -18.720 95.615 1.00 33	3.72
2201 CA THR A 316 -89.666 -18.016 95.522 1.00 34	1.38
2202 CB THR A 316 -90.194 -18.040 94.077 1.00 34	1.88
2203 OG1 THR A 316 -89.323 -17.279 93.225 1.00 35	.83
2204 CG2 THR A 316 -91.545 -17.310 93.983 1.00 33	3.77
2205 C THR A 316 -90.711 -18.599 96.480 1.00 35	.24
2206 O THR A 316 -91.060 -19.804 96.406 1.00 34	1.88
	.53
2208 CA TRP A 317 -92.255 -18.136 98.320 1.00 35	.87
2209 CB TRP A 317 -92.383 -17.138 99.478 1.00 35	6.63
2210 CG TRP A 317 -91.285 -17.289 100.476 1.00 34	1.42
2211 CD1 TRP A 317 -90.101 -16.627 100.493 1.00 33	3.80
2212 NE1 TRP A 317 -89.332 -17.047 101.552 1.00 33	3.52
2213 CE2 TRP A 317 -90.029 -17.995 102.249 1.00 34	1.52
2214 CD2 TRP A 317 -91.265 -18.173 101.592 1.00 34	1.41
2215 CE3 TRP A 317 -92.172 -19.098 102.117 1.00 35	.32
2216 CZ3 TRP A 317 -91.817 -19.809 103.256 1.00 34	1.69
2217 CH2 TRP A 317 -90.585 -19.608 103.878 1.00 34	1.85
2218 CZ2 TRP A 317 -89.679 -18.705 103.395 1.00 35	5.09
2219 C TRP A 317 -93.588 -18.263 97.602 1.00 36	5.53
2220 O TRP A 317 -94.003 -17.359 96.870 1.00 36	5.29
2221 N ALA A 318 -94.258 -19.393 97.809 1.00 37	7.43
2222 CA ALA A 318 -95.545 -19.612 97.179 1.00 38	3.74
2223 CB ALA A 318 -95.691 -21.044 96.784 1.00 39	.19
2224 C ALA A 318 -96.672 -19.199 98.112 1.00 39	.57
2225 O ALA A 318 -97.656 -18.627 97.667 1.00 39	.87
2226 N THR A 319 -96.518 -19.506 99.400 1.00 40	.41
2227 CA THR A 319 -97.498 -19.162 100.425 1.00 41	.08
2228 CB THR A 319 -98.475 -20.305 100.666 1.00 41	.30
2229 OG1 THR A 319 -97.789 -21.362 101.344 1.00 43	
2230 CG2 THR A 319 -98.932 -20.944 99.378 1.00 41	
2231 C THR A 319 -96.742 -18.960 101.730 1.00 41	
2232 O THR A 319 -95.506 -18.961 101.730 1.00 41	
2233 N GLN A 320 -97.484 -18.820 102.835 1.00 41	
2234 CA GLN A 320 -96.893 -18.659 104.168 1.00 40	

FIGURE 3 AR

A	В	С	D	Е		F	G	H	I	J
2235	СВ	GLN	Α	282	-97	. 982	-18.477	105.241	1.00	40.89
2236	CG	GLN			-99	.022	-17.407	104.967	1.00	40.19
2237	CD	GLN					-16.039	104.810		40.46
2238	OE1	GLN					-15.842	105.021		41.48
2239	NE2	GLN					-15.084	104.438		40.81
2240	C			282			-19.859			40.87
2241	Ö	GLN					-19.712	105.312		40.98
2242	N			283			-21.042	104.115		40.93
2243	CA			283			-22.266	104.501		41.80
2244	CB			283			-23.121	105.333		42.18
2245	CG			283			-22.507	106.663		44.15
2246	CD			283		.172	-23.289	107.336		46.00
2240	OE1			283		.743	-22.768	107.336		49.38
2248	OE2			283		.475		106.878		45.11
2249	C	GLU					-23.103	103.314		41.89
				283			-24.298			41.58
2250	0							103.474		
2251	N	ARG				.210		102.136		41.31
2252	CA	ARG					-23.125	100.931		41.03
2253	CB	ARG				.883		100.003		41.52
2254	CG	ARG				.473	-23.871	98.571		42.57
2255	CD	ARG					-24.489	97.747		44.25
2256	NE	ARG				.243	-25.575	98.498		46.10
2257	CZ	ARG				.524	-25.919	98.424	1.00	
2258	NH1	ARG				.357	-25.284	97.611		45.98
2259	NH2	ARG				972	-26.914	99.171		46.28
2260	С	ARG					-22.245	100.192		40.44
2261	0	ARG					-21.104	99.808		40.37
2262	N			285		.528		99.987		39.75
2263	CA			285			-22.074	99.278	1.00	39.15
2264	CB			285		.341	-21.711	100.244	1.00	39.31
2265	CG1			285		.264	-20.934	99.496	1.00	38.61
2266	CD1			285		.269		100.384	1.00	39.48
2267	CG2			285		.752	-22.965	100.864		38.79
2268	C	ILE	Α	285		.953	-22.923	98.132	1.00	38.33
2269	0			285		.785	-24.132	98.280	1.00	
2270	N			286		.713	-22.297	96.985	1.00	37.40
2271	CA	SER	Α	286		.157	-23.015	95.837	1.00	36.42
2272	CB	SER	Α	286	-90	.917	-22.711	94.562	1.00	36.26
2273	OG	SER	Α	286	-90	.749	-21.348	94.222	1.00	37.97
2274	С	SER	Α	286	-88	696	-22.621	95.677	1.00	35.63
2275	0	SER	Α	286	-88	.326	-21.450	95.827	1.00	35.04
2276	N	LEU	Α	287	-87	887	-23.623	95.366	1.00	34.71
2277	CA	LEU	Α	287	-86	.456	-23.505	95.287	1.00	34.27
2278	CB	LEU	Α	287	-85	870	-24.346	96.417	1.00	34.37
2279	CG	LEU	Α	287	-84	.891	-23.735	97.417	1.00	36.11
2280	CD1	LEU	Α	287	-84	.773	-24.619	98.643	1.00	34.38
2281	CD2	LEU	Α	287	-85	.340	-22.317	97.814	1.00	36.34
2282	C	LEU	Α	287	-86	.070	-24.126	93.955	1.00	33.93
2283	0	LEU	Α	287	-86	.444	-25.266	93.682	1.00	34.02
2284	N	GLN	Α	288	-85	.384		93.088	1.00	32.93
2285	CA	GLN	Α	288	-84	921	-24.012	91.849	1.00	32.27

FIGURE 3 AS

A	В	C	D	E		F	G	H	I	J
2286	СВ	CIN	70	288		5.272	-23.219	90.58	6 1 00	32.03
2287	CG			288			-23.219	90.30		
2288	CD			288		7.036		89.03		33.56
2289	OE1			288		7.036 6.678		87.92		32.25
								89.17		
2290	NE2			288		7.674		91.95		33.25
2291	C			288		3.422	-24.191			31.43
2292	0			288		2.717	-23.312	92.44		31.50
2293	N			289		2.952	-25.345	91.50		30.05
2294	CA			289		1.550	-25.663	91.52		28.99
2295	CB			289		1.290		92.40		29.63
2296	CG			289		1.758	-26.801	93.83		28.11
2297	CD1			289		2.994	-27.083	94.30		26.60
2298	NE1			289		3.037		95.66		25.30
2299	CE2			289		1.804	-26.530	96.09		27.52
2300	CD2			289		0.974	-26.445	94.97		27.50
2301	CE3			289			-26.063	95.15		28.54
2302	CZ3			289		9.203		96.41		28.35
2303	CH2			289		0.060		97.51		29.89
2304	CZ2			289		1.360		97.38		
2305	C			289		1.142	-25.973	90.10		28.22
2306	0			289		1.958		89.31		27.95
2307	N			290			-25.771	89.80		28.05
2308	CA			290		9.318		88.46		27.10
2309	CB			290		8.901	-24.561	87.94		27.24
2310	CG			290		9.195		86.54		27.54
2311	CD1			290			-22.756	86.27		22.78
2312	CD2			290			-25.028	85.42		25.82
2313	C			290		B.049		88.60		26.26
2314	0			290		7.204		89.39		25.73
2315	N	ARG				7.876	-27.779	87.82		26.62
2316	CA			291		6.594		87.87		26.34
2317	CB	ARG					-29.767	87.02		26.04
2318	CG	ARG				7.571	-30.860	87.51		28.20
2319	CD	ARG	Α	291		7.474	-32.145	86.69		31.04
2320	NE			291		8.251	-33.212	87.30		35.84
2321	CZ	ARG	Α	291	-7:	8.782	-34.239	86.65		34.28
2322	NH1	ARG	Α	291		9.480		87.32		31.91
2323	NH2	ARG	Α	291		B.611	-34.364	85.34		32.21
2324	C	ARG	Α	291	-7	5.511	-27.599	87.28	0 1.00	25.50
2325	0	ARG	Α	291	-7	5.818	-26.696	86.50	2 1.00	24.87
2326	N	ARG	Α	292	-7-	4.256	-27.872	87.61	8 1.00	25.10
2327	CA	ARG	Α	292	-7:	3.139	-27.141	87.02	5 1.00	25.84
2328	CB	ARG	Α	292	-7	1.791	-27.564	87.61	1 1.00	25.46
2329	CG	ARG	Α	292	-7	0.719	-26.515	87.42	5 1.00	24.84
2330	CD	ARG	Α	292	-6	9.353	-26.903	87.94	5 1.00	22.79
2331	NE	ARG	Α	292	-6	B.347	-25.941	87.52	4 1.00	24.65
2332	CZ	ARG	Α	292	-6	7.209	-25.716	88.18	6 1.00	27.61
2333	NH1	ARG	Α	292	-6	6.354	-24.806	87.73		23.20
2334	NH2	ARG	Α	292	-6	6.926	-26.406	89.30		25.07
2335	С	ARG	Α	292	-7:	3.135	-27.221	85.48	4 1.00	26.01
2336	0	ARG	Α	292	-7:	2.722	-26.272	84.81		26.29

FIGURE 3 AT

A	В	С	D	E	F	G	Н	I	J
2337	N	ILE	Α	293	-73.582	-28.336	84.916	1.00	26.05
2338	CA	ILE	Α	293	-73.810	-28.337	83.482	1.00	25.78
2339	CB	ILE	Α	293	-73.613	-29.693	82.855	1.00	26.60
2340	CG1	ILE	Α	293	-72.135	-30.125	83.029	1.00	27.40
2341	CD1	ILE	Α	293	-71.960	-31.641	83.184	1.00	31.38
2342	CG2	ILE	Α	293	-73.939	-29.589	81.383	1.00	24.44
2343	C	ILE	Α	293	-75.226	-27.827	83.375	1.00	25.88
2344	0			293	-76.195	-28.521	83.690	1.00	
2345	N	GLN	Α	294	-75.332	-26.580	82.955	1.00	25.86
2346	CA	GLN	Α	294	-76.572	-25.841	83.078	1.00	25.91
2347	CB			294	-76.277		83.074		25.69
2348	CG	GLN	Α	294	-75.298	-23.984	84.156	1.00	24.92
2349	CD			294	-75.007		84.196	1.00	
2350	OE1			294	-75.912	-21.691	84.092		24.34
2351	NE2			294	-73.746		84.351		24.37
2352	C			294	-77.679		82.115		26.78
2353	0			294	-78.414	-25.240	81.727		26.59
2354	N			295	-77.825	-27.414	81.746		27.52
2355	CA			295	-78.920		80.868		28.56
2356	CB			295	-78.416		79.607		29.50
2357	CG			295	-77.712	-29.809	79.903		31.49
2358	OD1			295	-77.614		81.051		32.33
2359	ND2			295	-77.212	-30.450	78.849	1.00	
2360	C			295	-79.987		81.609	1.00	
2361	0			295	-80.899		81.017		27.88
2362	N			296	-79.897		82.934		29.00
2363	CA			296	-80.815	-29.347	83.740		29.04
2364 2365	CB CG			296 296	-80.213 -81.156	-30.727	83.982	1.00	
2366	CD1			296	-81.156		84.629 83.861		30.85
	CE1			296	-82.836				33.67
2367 2368	CZ			296	-82.840		84.450 85.817		34.54
2369	OH			296	-83.671		86.421	1.00	37.48
2370	CE2			296	-82.019		86.590	1.00	
2371	CD2			296	-81.187		85.999		31.07
2372	C			296	-81.060		85.076		28.70
2373	Ö			296	-80.162	-28.592	85.900		29.09
2374	N			297	-82.287	-28.272	85.313	1.00	
2375	CA			297	-82.616	-27.615	86.566	1.00	
2376	CB			297	-82.919		86.316	1.00	
2377	OG			297	-83.933		85.343		29.76
2378	C			297	-83.822	-28.304	87.163		29.00
2379	0	SER	Α	297	-84.625	-28.875	86.445		29.64
2380	N			298	-83.955	-28.260	88.478	1.00	
2381	CA			298	-85.105	-28.897	89.118	1.00	30.60
2382	CB			298	-84.704		89.923	1.00	30.18
2383	CG1	VAL	Α	298	-84.147	-31.222	89.018	1.00	30.05
2384	CG2	VAL	Α	298	-85.915	-30.714	90.653	1.00	31.51
2385	C	VAL	Α	298	-85.761	-27.916	90.062	1.00	31.14
2386	0	VAL	Α	298	-85.074	-27.194	90.772	1.00	30.60
2387	N	MET	Α	299	-87.089	-27.881	90.062	1.00	32.41

FIGURE 3 AU

A	В	C	D	E		F	G	H	I	J
2388	CA	ME	гΑ	299	-87	7.798	-27.045	91.009	1.00	34.10
2389	CB			299		3.944		90.373		33.77
2390	CG			299		640	-25.335	91.396		34.32
2391	SD			299		1.132	-24.482	90.826		37.41
2392	CE			299		2.237	-25.756	90.878		38.42
2393	C			299		3.365	-27.877	92.148		35.43
2394	0			299		9.218	-28.731	91.934		35.56
2395	N	ASI				7.899	-27.617	93.360		36.85
2395	CA	ASI		300		3.474	-28.267	94.519		38.72
2397	CB	ASI		300		7.435	-28.468	95.595		38.93
2398	CG	ASI		300		7.085	-29.904	95.785		39.58
2399	OD1	ASI				5.032	-30.175	96.381		
2400	OD2	ASI				7.807	-30.829	95.381		41.61
2401	C	ASI		300		.580	-27.428	95.104		
2402	0	ASI				.564	-26.200	95.022		40.30
2403	N		2 A	301		.548	-28.096	95.709		41.62
2404	CA		2 A	301		1.593	-27.392	96.422		
2405	CB		E A	301		.921	-27.522	95.686		43.15
2406	CG1	ILI		301		.843	-26.694	94.394		43.52
2407	CD1		2 A			3.976	-26.916	93.432		
2408	CG2	IL	ΞA	301		1.046		96.549		43.80
2409	C		ΞΑ			1.615		97.863		
2410	0	IL	ΞΑ	301	-91	1.919	-29.074	98.139	1.00	44.63
2411	N	CYS	3 A	302		1.238		98.785	1.00	45.44
2412	CA	CYS	3 A	302	-91	.109	-27.450	100.163	1.00	46.51
2413	CB	CYS	5 A	302	-89	707	-27.128	100.654	1.00	46.72
2414	SG	CYS	5 A	302	-88	3.467	-27.641	99.438	1.00	47.60
2415	C	CYS	3 A	302	-92	2.180	-26.867	101.070	1.00	47.22
2416	0	CYS	3 A	302	-92	2.363	-25.651	101.150	1.00	46.52
2417	N	ASI	? A	303	-92	.901	-27.759	101.739	1.00	48.46
2418	CA	ASI	? A	303	-93	3.955	-27.336	102.643	1.00	50.03
2419	CB	ASI	? A	303	-95	.231	-28.129	102.384	1.00	50.42
2420	CG	ASI				.793	-27.862	101.013		
2421	OD1	ASI	? A	303	-94	1.992		100.055	1.00	53.94
2422	OD2	ASI	- A	303	-97	7.004	-27.653	100.789	1.00	53.82
2423	C	ASI		303		3.541	-27.454	104.093		50.54
2424	o	ASI		303		2.888	-28.424			50.52
2425	N	TY		304		3.917	-26.454	104.876		51.37
2426	CA		R A	304		3.619		106.293		52.61
2427	CB	TYE				3.868		106.894		52.69
2428	CG	TY		304		3.602	-25.048	108.374		53.78
2429	CD1	TYI				2.301	-25.092	108.865		53.47
2430	CE1	TY				2.053	-25.043	110.209		
2431	CZ	TY				3.111	-24.954	111.097		
2432	OH	TY				2.863		112.447		54.22
2433	CE2	TY		304			-24.908	110.636		54.38
2434	CD2	TY		304			-24.960	109.282		
2435	C	TY		304			-27.520	107.009		53.58
2436	Ö	TY		304			-27.576	106.838		53.17
2437	N	ASI				3.818		107.793		54.91
2438	CA			305			-29.400	108.548		56.29
2430	CA	WOI	- 4	505	- 94	1.021	-29.400	100.340	1.00	50.29

FIGURE 3 AV

A	В	С	D	Е	F	G	H	I	J
2439	CB	ASP	А	305	-93.736	-30.711	108.534	1.00	56.44
2440	CG	ASP				-31.884		1.00	57.27
2441	OD1	ASP			-95.392			1.00	58.51
2442	OD2	ASP			-94.445		108.547	1.00	57.28
2443	C	ASP			-94.712			1.00	56.77
2444	0	ASP			-93.772			1.00	56.54
2445	N	GLU			-95.932			1.00	57.77
2446	CA	GLU			-96.286			1.00	58.94
2447	CB	GLU		306	-97.781			1.00	59.22
2448	CG	GLU			-98.092			1.00	60.83
2449	CD	GLU			-98.939			1.00	63.17
2450	OE1	GLU			-100.132			1.00	63.52
2451	OE2	GLU			-98.401			1.00	
2452	С	GLU			-95.92€			1.00	59.24
2453	0	GLU			-95.613		113.854		59.09
2454	N	SER	А	307	-95.994	-30.057		1.00	59.75
2455	CA	SER			-95.678			1.00	60.26
2456	CB	SER			-96.426			1.00	60.62
2457	OG	SER	Α	307	-96.398	-32.746	112.229	1.00	61.31
2458	С	SER	Α	307	-94.173	-31.181	113.858	1.00	60.30
2459	0	SER	Α	307	-93.601	-30.988	114.931	1.00	60.62
2460	N	SER	Α	308	-93.540	-31.575	112.754	1.00	60.12
2461	CA	SER			-92.102			1.00	59.53
2462	CB	SER			-91.703			1.00	59.77
2463	OG	SER	Α	308	-92.009	-33.753	111.176	1.00	60.20
2464	С	SER	Α	308	-91.25€	-30.621	113.011	1.00	59.06
2465	0	SER	Α	308	-90.133	-30.732	113.512	1.00	59.11
2466	N	GLY	Α	309	-91.790	-29.451	112.680	1.00	58.26
2467	CA	GLY	Α	309	-91.049	-28.211	112.821	1.00	57.16
2468	С	GLY	Α	309	-90.102	-28.063	111.641	1.00	56.45
2469	0	GLY	Α	309	-89.250	-27.177	111.614	1.00	56.64
2470	N	ARG	Α	310	-90.268	-28.931	110.648	1.00	55.33
2471	CA	ARG	Α	310	-89.367	-28.950	109.505	1.00	54.21
2472	CB	ARG	Α	310	-88.622	-30.288	109.442	1.00	54.66
2473	CG	ARG	Α	310	-87.696	-30.525	110.627	1.00	56.06
2474	CD	ARG	Α	310	-86.511	-31.445	110.328	1.00	59.60
2475	NE	ARG	Α	310	-86.812	-32.862	110.539	1.00	62.08
2476	CZ	ARG	Α	310	-87.479		109.680	1.00	63.36
2477	NH1	ARG	Α	310	-87.929		108.532	1.00	63.22
2478	NH2	ARG	А	310	-87.696	-34.911	109.970	1.00	63.95
2479	C	ARG	Α	310	-90.012	-28.641	108.151	1.00	52.85
2480	0	ARG	Α	310	-91.212				52.44
2481	N	TRP	Α	311	-89.181			1.00	51.08
2482	CA	TRP			-89.607			1.00	49.29
2483	CB	TRP			-88.880				48.37
2484	CG	TRP		311	-89.234			1.00	44.19
2485	CD1	TRP		311		-25.421			40.78
2486	NE1	TRP		311	-89.281			1.00	38.90
2487	CE2	TRP		311	-90.184		106.373	1.00	39.10
2488	CD2	TRP			-90.178		105.430	1.00	40.46
2489	CE3	TRP	Α	311	-91.019	-24.845	104.318	1.00	37.66

FIGURE 3 AW

2490 CZ3 TRP A 311 -91.818 -23.734 104.185 1.00 35.16 2491 CH2 TRP A 311 -91.809 -22.717 105.145 1.00 36.12 2492 CZ2 TRP A 311 -80.997 -22.717 106.239 1.00 36.22 2493 C TRP A 311 -89.332 -29.630 104.860 1.00 49.37 2494 O TRP A 311 -89.332 -29.630 104.860 1.00 49.14 2495 N ASN A 312 -90.367 -30.120 104.199 1.00 49.46 2496 CA ASN A 312 -90.214 -31.296 103.357 1.00 50.06 2497 CB ASN A 312 -91.091 -32.442 103.876 1.00 50.41 2499 OD ASN A 312 -90.447 -33.202 105.038 1.00 52.10 2500 NDZ ASN A 312 -90.693 -34.397 105.220 1.00 53.48 2501 C ASN A 312 -90.504 -31.010 101.883 1.00 49.59 2502 O ASN A 312 -91.693 -34.397 105.220 10.05 419 2501 C ASN A 312 -90.504 -31.010 101.883 1.00 49.59 2502 O ASN A 312 -91.475 -30.332 101.553 1.00 49.59 2503 N
2491 CH2 TRP A 311 -91.809 -22.717 105.145 1.00 36.12 2492 CZ2 TRP A 311 -90.997 -22.771 106.239 1.00 36.29 2493 C TRP A 311 -89.332 -29.630 104.860 1.00 49.37 2495 N TRP A 311 -89.332 -29.630 104.860 1.00 49.14 2495 N ASN A 312 -90.367 -30.120 104.199 1.00 49.46 2496 CA ASN A 312 -90.214 -31.296 103.377 1.00 50.06 2498 CG ASN A 312 -91.991 -32.442 103.876 1.00 50.10 2499 DI ASN A 312 -90.447 -33.202 105.038 1.00 52.10 2501 C ASN A 312 -90.639 -34.397 105.220 1.00 54.19 2501 C ASN A 312 -90.640 -32.512 105.826 1.00 54.19 2501 C ASN A 312 -90.640 -30.010 101.883 1.00 49.73 2502 O ASN A 312 -90.640 -30.032 101.553 1.00 49.59 2503 N CYS A 313 -89.620 -32.512 105.826 1.00 59.49 2503 N CYS A 313 -89.821 -31.332 99.565 1.00 49.61 2505 CB CYS A 313
2492 C22 TRP A 311 -90.997 -22.771 106.239 1.00 36.29 2493 C TRP A 311 -89.332 -29.630 104.860 1.00 49.37 2494 C TRP A 311 -88.208 -30.128 104.785 1.00 49.14 2495 CA ASN A 312 -90.367 -30.120 104.199 1.00 50.06 2497 CB ASN A 312 -90.214 -31.296 103.357 1.00 50.06 2498 CG ASN A 312 -91.091 -32.442 103.876 1.00 50.41 2498 CG ASN A 312 -90.693 -34.397 105.220 1.00 50.41 2499 DI ASN A 312 -90.693 -34.397 105.220 1.00 50.41 2500 ND ASN A 312 -90.593 -34.397 105.220 1.00 54.19 2501 C ASN A 312 -90.593 -34.397 105.220 1.00 54.19 2502 O ASN A 312 -90.593 -34.397 105.220 1.00 54.19 2503 N CYS A 313 -89.643 -31.515 101.005
2493 C TRP A 311 -89.332 -29.630 104.860 1.00 49.37 2494 0 TRP A 311 -88.208 -30.128 104.785 1.00 49.14 2495 N ASN A 312 -90.367 -30.120 104.199 1.00 49.46 2497 CB ASN A 312 -91.091 -32.442 103.876 1.00 50.06 2499 CD1 ASN A 312 -90.447 -33.202 105.338 1.00 52.10 2499 DD1 ASN A 312 -90.447 -33.202 105.308 1.00 52.10 2501 C ASN A 312 -90.693 -34.397 105.220 1.00 54.19 2501 C ASN A 312 -90.690 -32.512 105.826 1.00 53.48 2501 C ASN A 312 -90.604 -31.010 10.1883 1.00 49.73 2502 C ASN A 312 -90.604 -31.010 10.1883 1.00 49.73 2502 C ASN A 312 -90.504 -31.010 10.1883 1.00 49.73 2503 N CYS A 313 -89.620 -32.512 105.526 1.00 49.59 2505 CB CYS A 313 -89.821 -31.332 99.565 1.00 49.59 2505 CB CYS A 313 -89.821 -31.332 99.565 1.00 49.32 2506 SG CYS A 313 -89.821 -31.332 99.565 1.00 49.32 2506 SG CYS A 313 -89.821 -31.332 99.565 1.00 49.32 2506 CC CYS A 313 -89.821 -31.332 99.565 1.00 49.32 2500 SC CYS A 313 -89.821 -31.332 99.565 1.00 49.32 2500 SC CYS A 313 -89.821 -31.332 99.565 1.00 49.32 2500 SC CYS A 313 -89.821 -31.332 99.565 1.00 49.32 2500 SC CYS A 313 -89.821 -31.332 99.575 1.00 49.40 28 2500 SC CYS A 313 -90.177 -32.664 98.910 1.00 49.28 2500 SC CYS A 313 -90.177 -32.664 98.910 1.00 49.28 2500 SC CYS A 313 -90.474 -34.88 98.557 1.00 49.40 28 2500 SC CYS A 314 -91.496 -34.125 98.122 1.00 49.20 2511 CB LEU A 314 -91.496 -34.125 98.122 1.00 49.20 2511 CB LEU A 314 -91.496 -34.125 99.003 1.00 49.51 2512 CB LEU A 314 -94.318 -34.759 99.900 1.00 50.15 51
2494 O TRP A 311 -88.208 -30.128 104.785 1.00 49.14 2495 N ASN A 312 -90.367 -30.120 104.199 1.00 49.46 2496 CA ASN A 312 -90.214 -31.296 103.357 1.00 50.06 1.00 50.06 2498 CG ASN A 312 -91.091 -32.442 103.876 1.00 52.10 1.00 50.06 2499 DOI ASN A 312 -90.447 -33.202 105.038 1.00 52.10 1.00 54.19 2500 ND ASN A 312 -90.693 -34.397 105.220 10.00 54.19 2501 C ASN A 312 -90.504 -31.010 101.883 1.00 49.73 2501 C ASN A 312 -90.504 -31.010 101.883 1.00 49.59 2502 O ASN A 312 -91.475 -30.332 101.553 1.00 49.61 2505 C CYS A 313 -89.643 -31.315 101.005 1.00 49.61 2505 C CYS A 313 -89.821 -31.332 99.565 1.00 49.32 2507 C C CYS A 313 -87.730 -29.487 99.875 1.00 49.61 2509 O CYS A 313 -89.299 -33.428 98.557 1.00 49.26 2509 O CYS A 313 -90.177 -32.654 98.910 1.00 49.22 2500 C CYS A 313 -90.177 -32.654 98.910 1.00 49.22 2500 C CYS A 313 -90.
2495 N ASN A 312 -90.367 -30.120 104.199 1.00 49.46 2497 CB ASN A 312 -90.214 -31.296 103.357 1.00 50.66 2498 CB ASN A 312 -90.447 -33.202 105.038 1.00 50.41 2499 DI ASN A 312 -90.693 -34.397 105.220 1.00 54.19 2501 C ASN A 312 -90.693 -34.397 105.226 1.00 53.48 2501 C ASN A 312 -90.604 -31.010 101.883 1.00 49.59 2503 N CYS A 313 -89.620 -32.512 105.826 1.00 49.59 2504 CA CYS A 313 -89.643 -31.515 101.005 1.00 49.59 2505 CB CYS A 313 -89.821 -31.332 99.565 1.00
2496 CA ASN A 312 -90.214 -31.296 103.357 1.00 50.06 2497 CB ASN A 312 -91.091 -32.442 103.876 1.00 50.41 2498 CG ASN A 312 -90.447 -33.202 105.338 1.00 52.10 2500 ND ASN A 312 -89.620 -32.512 105.826 1.00 53.49 2501 C ASN A 312 -90.593 -34.397 105.220 1.00 54.19 2502 O ASN A 312 -90.504 -31.010 101.883 1.00 49.73 2502 O ASN A 312 -91.475 -30.332 101.553 1.00 49.73 2504 CA CYS A 313 -89.643 -31.515 101.005 1.00 49.61 2505 CB CYS A 313 -88.549 -30.778 98.921 1.00 49.28 25
2497 CB ASN A 312 -91.091 -32.442 103.876 1.00 50.41 2498 CG ASN A 312 -90.447 -33.202 105.038 1.00 52.10 2500 ND2 ASN A 312 -90.693 -34.397 105.220 1.00 54.19 2501 C ASN A 312 -90.504 -31.010 101.883 1.00 49.53 2503 N ASN A 312 -90.504 -31.010 101.883 1.00 49.59 2503 N CYS A 313 -89.643 -30.332 101.553 1.00 49.59 2505 CB CYS A 313 -89.821 -31.332 99.655 1.00 49.61 2506 CG CYS A 313 -87.730 -29.487 98.925 1.00 49.61 2507 C CYS A 313 -80.777 -32.654 98.955 1.00 49.21 2508
2498 CG ASN A 312 -90.447 -33.202 105.038 1.00 52.10 2500 ND2 ASN A 312 -90.693 -34.397 105.220 1.00 54.19 2501 C ASN A 312 -89.620 -32.512 105.826 1.00 59.73 2502 O ASN A 312 -91.475 -30.332 101.553 1.00 49.73 2504 CA ASN A 313 -89.643 -31.515 101.005 1.00 49.61 2504 CA CYS A 313 -88.549 -30.778 98.921 1.00 49.22 2507 C CYS A 313 -88.549 -30.778 98.927 1.00 49.22 2507 C CYS A 313 -90.177 -32.654 98.910 1.00 49.28 2509 O CYS A 313 -90.177 -32.654 98.910 1.00 49.28 2507 C CYS A 313 -90.177 -32.659 98.915 1.00
2499 OD1 ASN A 312 -90.693 -34.397 105.220 1.00 54.19 2501 C ASN A 312 -90.504 -32.512 105.826 1.00 53.48 2501 C ASN A 312 -90.504 -31.010 101.883 1.00 49.73 2503 N CYS A 313 -89.643 -31.515 101.005 1.00 49.73 2505 CB CYS A 313 -89.821 -31.332 99.565 1.00 49.32 2507 C CYS A 313 -87.730 -29.487 98.975 1.00 49.40 2509 N LEU A 313 -89.299 -33.428 98.957 1.00 49.21 2509 N LEU A 314 -91.777 -32.654 98.910 1.00 49.21 2509 N LEU A 314 -91.946 -34.125
2500 ND2 ASN A 312 -99.620 -32.512 105.826 1.00 53.48 2501 C ASN A 312 -90.504 -31.010 101.883 1.00 49.73 2502 O ASN A 312 -91.475 -30.332 101.553 1.00 49.59 2504 CA CYS A 313 -89.643 -31.515 101.005 1.00 49.51 2505 CB CYS A 313 -88.549 -30.778 98.921 1.00 49.21 2506 CG CYS A 313 -87.730 -29.487 99.875 1.00 49.21 2507 C CYS A 313 -90.177 -32.654 98.910 1.00 49.25 2509 N LEU A 314 -91.476 -32.905 98.757 1.00 49.20 2510 CA LEU A 314 -91.948 -34.125 98.122 1.00 49.20 2511 CB LEU A 314 -91.948 -34.125 98.122 1.00 49.20 2512 CB LEU A 314 -94.318 -34.125 98.122 1.00 49.20
2501 C ASN A 312 -90.504 -31.010 101.883 1.00 49.73 2502 O ASN A 312 -91.475 -30.332 101.553 1.00 49.59 2503 N CYS A 313 -89.643 -31.515 101.005 1.00 49.61 2505 CB CYS A 313 -89.821 -31.332 99.565 1.00 49.32 2505 CB CYS A 313 -88.549 -30.778 98.921 1.00 49.21 2507 C C CYS A 313 -87.730 -29.487 99.875 1.00 49.25 2507 C C CYS A 313 -90.177 -32.654 98.910 1.00 49.25 2508 O CYS A 313 -90.177 -32.654 98.910 1.00 49.26 2509 N LEU A 314 -91.470 -32.905 98.751 1.00 49.23 2510 CA LEU A 314 -91.470 -32.905 98.751 1.00 49.23 2511 CB LEU A 314 -91.946 -34.125 98.122 1.00 49.25 2512 CG LEU A 314 -94.318 -34.759 99.900 1.00 50.158
2502 0 ASN A 312 -91.475 -30.332 101.553 1.00 49.59 2503 N CYS A 313 -89.643 -31.515 101.005 1.00 49.61 2504 CA CYS A 313 -89.821 -31.332 99.565 1.00 49.32 2505 CB CYS A 313 -88.549 -30.778 98.921 1.00 49.21 2506 SG CYS A 313 -87.730 -29.487 99.875 1.00 48.98 2507 C CYS A 313 -90.177 -32.654 98.910 1.00 49.28 2508 O CYS A 313 -90.177 -32.654 98.910 1.00 49.28 2509 N LEU A 314 -91.470 -32.905 98.751 1.00 49.40 2510 CA LEU A 314 -91.470 -32.905 98.751 1.00 49.20 2511 CB LEU A 314 -91.470 -32.905 98.751 1.00 49.20 2512 CG LEU A 314 -99.3471 -34.083 98.003 1.00 49.51
2504 CA CYS A 313 -89.643 -31.515 101.005 1.00 49.61 2504 CA CYS A 313 -88.549 -30.778 98.521 1.00 49.32 2505 CB CYS A 313 -88.549 -30.778 98.521 1.00 49.21 2506 CYS A 313 -87.730 -29.487 99.875 1.00 48.98 2507 C CYS A 313 -90.177 -32.654 98.910 1.00 49.22 2508 O CYS A 313 -90.177 -32.654 98.910 1.00 49.28 2509 N LEU A 314 -91.946 -34.125 98.122 1.00 49.20 2511 CB LEU A 314 -91.948 -34.125 98.122 1.00 49.20 2511 CB LEU A 314 -94.348 -34.125 98.122 1.00 49.51 2512 CB LEU A 314 -94.318 -34.759 99.003 1.00 50.51
2504 CA CYS A 313 -88.821 -31.332 99.565 1.00 49.32 2505 CB CYS A 313 -88.549 -30.778 98.921 1.00 49.21 2506 SG CYS A 313 -87.730 -29.487 98.921 1.00 49.21 2507 C CYS A 313 -90.177 -32.654 98.910 1.00 49.28 2508 O CYS A 313 -89.299 -33.428 98.557 1.00 49.28 2509 N LEU A 314 -91.470 -32.905 98.751 1.00 49.23 2510 CA LEU A 314 -91.470 -32.905 98.122 1.00 49.20 2511 CB LEU A 314 -91.470 -34.083 98.003 1.00 49.51 2512 CG LEU A 314 -94.318 -34.083 98.003 1.00 50.51
2505 CB CYS A 313 -88.549 -30.778 98.921 1.00 49.21 2507 C CYS A 313 -90.177 -32.654 98.910 1.00 49.28 2508 O CYS A 313 -90.177 -32.654 98.910 1.00 49.28 2509 N LEU A 314 -91.747 -32.959 98.757 1.00 49.28 2510 CA LEU A 314 -91.948 -34.125 98.122 1.00 49.20 2511 CB LEU A 314 -91.948 -34.125 98.122 1.00 49.20 2511 CB LEU A 314 -91.948 -34.125 98.122 1.00 49.20 2512 CB LEU A 314 -94.318 -34.759 99.090 1.00 50.18
2506 SG CYS A 313 -87.730 -29.487 99.875 1.00 48.98 2507 C CYS A 313 -90.177 -32.654 98.910 1.00 49.28 2508 O CYS A 313 -89.299 -33.428 98.557 1.00 49.40 2509 N LEU A 314 -91.470 -32.905 98.751 1.00 49.23 2510 CA LEU A 314 -91.948 -34.125 98.122 1.00 49.20 2511 CB LEU A 314 -91.470 -34.083 98.023 1.00 49.51 2512 CG LEU A 314 -94.318 -34.759 99.909 1.00 50.18
2507 C CYS A 313 -90.177 -32.654 98.910 1.00 49.28 2509 N LEU A 313 -91.470 -32.905 98.757 1.00 49.40 2510 C LEU A 314 -91.470 -32.905 98.751 1.00 49.23 2511 C LEU A 314 -91.948 -34.125 98.122 1.00 49.20 2511 C LEU A 314 -93.471 -34.083 98.003 1.00 49.51 2512 C LEU A 314 -94.318 -34.759 99.090 1.00 50.18
2508 O CYS A 313 -89.299 -33.428 98.557 1.00 49.40 2509 N LEU A 147 -91.470 -32.905 98.751 1.00 49.23 2510 CA LEU A 14 -91.948 -34.125 98.122 1.00 49.23 2511 CB LEU A 314 -93.471 -34.083 98.003 1.00 49.51 2512 CB LEU A 314 -94.318 -34.759 99.090 1.00 50.188
2509 N LEU A 314 -91.470 -32.905 98.751 1.00 49.23 2510 CA LEU A 314 -91.948 -34.125 98.122 1.00 49.20 2511 CB LEU A 314 -93.471 -34.083 98.003 1.00 49.51 2512 CG LEU A 314 -94.318 -34.759 99.090 1.00 50.18
2510 CA LEU A 314 -91.948 -34.125 98.122 1.00 49.20 2511 CB LEU A 314 -93.471 -34.083 98.003 1.00 49.51 2512 CG LEU A 314 -94.318 -34.759 99.090 1.00 50.18
2511 CB LEU A 314 -93.471 -34.083 98.003 1.00 49.51 2512 CG LEU A 314 -94.318 -34.759 99.090 1.00 50.18
2512 CG LEU A 314 -94.318 -34.759 99.090 1.00 50.18
2513 CD1 TENT 3 214 _ 05 651 _ 24 022 00 250 1 00 50 00
2514 CD2 LEU A 314 -93.579 -34.843 100.417 1.00 51.00
2515 C LEU A 314 -91.328 -34.364 96.742 1.00 49.05
2516 O LEU A 314 -91.574 -33.617 95.801 1.00 48.88
2517 N VAL A 315 -90.522 -35.415 96.633 1.00 49.03
2518 CA VAL A 315 -89.916 -35.793 95.370 1.00 48.83
2519 CB VAL A 315 -89.304 -37.207 95.454 1.00 48.97
2520 CG1 VAL A 315 -89.162 -37.824 94.070 1.00 49.30
2521 CG2 VAL A 315 -87.955 -37.170 96.165 1.00 48.31
2522 C VAL A 315 -90.969 -35.761 94.272 1.00 48.78
2523 O VAL A 315 -90.692 -35.398 93.125 1.00 49.03
2524 N ALA A 316 -92.195 -36.107 94.635 1.00 48.31
2525 CA ALA A 316 -93.276 -36.135 93.662 1.00 47.94
2526 CB ALA A 316 -94.440 -36.957 94.186 1.00 47.92
2527 C ALA A 316 -93.762 -34.757 93.246 1.00 47.64
2528 O ALA A 316 -94.625 -34.648 92.385 1.00 48.02
2529 N ARG A 317 -93.238 -33.707 93.864 1.00 47.02
2530 CA ARG A 317 -93.675 -32.359 93.515 1.00 46.41
2531 CB ARG A 317 -94.189 -31.620 94.749 1.00 46.68
2532 CG ARG A 317 -95.340 -32.365 95.405 1.00 48.25
2533 CD ARG A 317 -96.471 -31.507 95.915 1.00 49.42
2534 NE ARG A 317 -96.072 -30.749 97.088 1.00 52.62
2535 CZ ARG A 317 -96.886 -30.434 98.086 1.00 53.61
2536 NH1 ARG A 317 -96.420 -29.744 99.114 1.00 53.83
2537 NH2 ARG A 317 -98.160 -30.812 98.061 1.00 53.37
2538 C ARG A 317 -92.588 -31.574 92.780 1.00 45.51
2539 O ARG A 317 -92.738 -30.391 92.509 1.00 45.08
2540 N GLN A 318 -91.502 -32.268 92.452 1.00 44.70

FIGURE 3 AX

A	В	С	D	E	F	G	H	I	J
2541	CA	GLN	Δ	318	-90.396	-31 688	91.715	1 00	43.92
2542	CB	GLN				-32.613	91.761		44.06
2543	CG	GLN			-88.533	-32.679	93.122		45.59
2544	CD	GLN			-87.325	-33.589	93.142		48.07
2545	OE1	GLN			-86.775	-33.865	94.211		49.48
2546	NE2	GLN				-34.056	91.965		47.11
2547	C	GLN			-90.791	-31.467	90.273	1.00	43.00
2548	ō	GLN			-91.502	-32.277	89.686	1.00	43.13
2549	N	HIS				-30.349	89.718	1.00	
2550	CA	HIS			-90.590	-30.044	88.331	1.00	40.05
2551	CB	HIS			-91.456		88.197		39.89
2552	CG	HIS			-92.885		88.549	1.00	41.96
2553	ND1	HIS			-93.310		89.849	1.00	43.05
2554	CE1	HIS				-29.459	89.856	1.00	
2555	NE2	HIS				-29.439	88.608	1.00	42.08
2556	CD2	HIS	А	319	-93.984	-29.196	87.770	1.00	41.11
2557	C	HIS			-89.262		87.638	1.00	38.85
2558	Ō	HIS				-29.079	88.056	1.00	38.75
2559	N	ILE	Α	320	-89.065	-30.630	86.574	1.00	37.80
2560	CA	ILE	Α	320	-87.816	-30.592	85.849	1.00	36.71
2561	CB	ILE	Α	320	-87.489	-31.985	85.362	1.00	36.70
2562	CG1	ILE	Α	320	-87.306	-32.906	86.570	1.00	36.99
2563	CD1	ILE			-87.223		86.214	1.00	38.96
2564	CG2	ILE			-86.279		84.419	1.00	35.80
2565	C	ILE	Α	320	-87.867	-29.637	84.659	1.00	36.24
2566	0	ILE			-88.852		83.938	1.00	34.52
2567	N	GLU	Α	321	-86.790	-28.877	84.486	1.00	36.11
2568	CA	GLU	Α	321	-86.664	-28.005	83.330	1.00	36.25
2569	CB	GLU	Α	321	-86.914	-26.553	83.702	1.00	35.46
2570	CG	GLU	Α	321	-87.255	-25.694	82.512	1.00	37.29
2571	CD	GLU	Α	321	-87.300	-24.224	82.859	1.00	39.57
2572	OE1	GLU	Α	321	-87.550	-23.910	84.050	1.00	41.03
2573	OE2	GLU	Α	321	-87.084	-23.388	81.944	1.00	40.17
2574	C	GLU	Α	321	-85.253	-28.202	82.786	1.00	36.34
2575	0	GLU	Α	321	-84.269	-27.822	83.419	1.00	36.18
2576	N	MET	Α	322	-85.176	-28.826	81.618	1.00	35.99
2577	CA	MET			-83.916	-29.136	80.984	1.00	35.89
2578	CB	MET	Α	322	-83.664	-30.649	81.007	1.00	36.45
2579	CG			322	-84.751		80.328	1.00	40.37
2580	SD	MET	Α	322	-84.281	-33.246	80.076	1.00	49.26
2581	CE	MET	Α	322	-84.432	-33.862	81.690	1.00	46.43
2582	C	MET	Α	322	-83.970		79.558	1.00	35.10
2583	0	MET			-85.007	-28.181	79.084	1.00	34.63
2584	N	SER				-28.683	78.869	1.00	
2585	CA	SER			-82.823		77.475	1.00	34.46
2586	CB	SER				-26.819	77.337		34.00
2587	OG	SER				-26.519	75.971	1.00	34.22
2588	C	SER				-29.205	76.713	1.00	33.99
2589	0	SER				-29.587	77.196	1.00	33.94
2590	N	THR			-82.356		75.515	1.00	
2591	CA	THR	Α	324	-81.558	-30.470	74.684	1.00	34.27

FIGURE 3 AY

A	В	C	D	E		F	G	Н		I	J
2592	CB	THR	Δ	324	-87	457	-31.435	73.9	201	1.00	34.74
2593	OG1	THR				.248	-30.697	72.9		1.00	35.02
2594	CG2	THR				.496	-32.057	74.8		1.00	34.52
2595	C	THR				.682	-29.691	73		1.00	33.76
2596	Ö			324		.699	-30.225	73.2		1.00	34.89
2597	N			325		.006	-28.429	73.4		1.00	32.42
2598	CA			325		.173	-27.662	72.5		1.00	31.29
2599	CB			325		.032	-26.912	71.5		1.00	31.37
2600	OG1			325		.947	-26.079	72.2		1.00	30.65
2601	CG2			325		.921	-27.889	70.7		1.00	31.29
2602	C			325		.226	-26.662	73.2		1.00	30.45
2603	Ö			325		.405		72.5		1.00	30.08
2604	N			326		.361	-26.433	74.5			29.74
2605	CA			326		.501	-25.480	75.1		1.00	29.11
2606	C			326		.619		76.6		1.00	
2607	Ö			326		.786	-26.595	77.2		1.00	29.13
2608	N			327		.524	-24.354	77.3		1.00	27.43
2609	CA			327		.630	-24.194	78.7			25.97
2610	CB	TRP		327		.826	-22.960	79.2		1.00	26.00
2611	CG			327		.213		78.4		1.00	
2612	CD1			327		.052	-20.721	78.9			22.57
2613	NE1			327		.166	-19.716	78.0			22.25
2614	CE2			327		.399	-20.030	76.9			23.44
2615	CD2			327		.775	-21.272	77.1			23.16
2616	CE3			327		.914	-21.811	76.2			21.49
2617	CZ3			327		.714	-21.108	75.0			21.48
2618	CH2			327		.367	-19.888	74.7			17.89
2619	CZ2			327		.196	-19.322	75.7			22.30
2620	C	TRP		327		.095	-23.965	79.0		1.00	25.40
2621	Ö			327		.870	-23.928	78.1		1.00	
2622	N	VAL				.484	-23.809	80.3		1.00	25.17
2623	CA	VAL				.888	-23.555	80.6		1.00	
2624	CB	VAL				.437	-24.498	81.7			26.11
2625	CG1	VAL				.397	-24.780	82.7			27.28
2626	CG2	VAL				.660	-23.883	82.4		1.00	
2627	CG2	VAL				.142	-22.114	81.0		1.00	25.84
2628	0	VAL				.375	-22.114	81.7			27.58
	N					.232	-21.534	80.5			
2629 2630	CA			329 329		.569	-21.542	80.8		1.00	26.06
2631						.736		79.9			
	C			329		.795	-19.201 -19.611			1.00	
2632 2633	0	GLY				.071	-17.918	79.3		1.00	24.50
	N CA						-16.953				
2634		ARG				.344		79.2			25.69
2635	CB	ARG				.132	-15.640	79.0		1.00	26.08
2636	CG	ARG				.259	-15.839	78.0		1.00	
2637	CD	ARG				.897	-14.595	77.3		1.00	26.77
2638	NE	ARG				.029		78.1		1.00	32.62
2639	CZ	ARG		330		.305		77.8		1.00	30.25
2640	NH1	ARG		330		.199	-14.004	78.7		1.00	30.22
2641	NH2	ARG				.687	-14.500	76.5		1.00	27.09
2642	С	ARG	А	330	-80	.933	-16.836	79.	/81	1.00	25.65

FIGURE 3 AZ

A	В	C	D	Е		F		G		H	I	J
2643	0	ARG	n :	330		79.972	17	.123	7.0	.092	1 00	24.20
2644	N	PHE		331		30.828		.476		.052		26.79
2645		PHE				79.551		.493		.721		27.54
2646	CA CB	PHE		331		79.331		.097		.172		26.96
2647	CG CD1	PHE		331		78.881		.155		.036		27.24
2648	CD1	PHE		331		77.597		.961		.559		27.56
2649	CE1	PHE		331		77.369		.070		.515	1.00	
2650	CZ	PHE		331		78.436		.379		.939		23.11
2651	CE2			331		79.679		.570		.402	1.00	
2652	CD2	PHE		331		79.915		.447		.449		26.99
2653	C	PHE		331		79.621		.467		.892		28.01
2654	0	PHE		331		78.595		.860		.436	1.00	
2655	N	ARG				30.838		.869		.242		28.70
2656	CA	ARG		332		31.105		.772		.369	1.00	
2657	CB	ARG		332		30.890				.712		29.72
2658	CG	ARG		332		31.986				.029	1.00	
2659	CD	ARG		332		31.631		.977		.078	1.00	
2660	NE	ARG		332		31.351		.675		.443	1.00	
2661	CZ	ARG		332		30.130		.236		.140	1.00	
2662	NH1	ARG		332		79.063		.982		.421	1.00	
2663	NH2	ARG		332		79.975		.053		.560	1.00	
2664	С	ARG		332		32.569		.138		.260	1.00	
2665	0	ARG		332		33.330		.409		.644		29.36
2666	N	PRO		333		32.977		.250		.858	1.00	
2667	CA	PRO		333		34.391		.636		.821	1.00	
2668	CB	PRO		333		34.457		.870		.729	1.00	
2669	CG	PRO		333		33.042		.375		.822	1.00	
2670	CD	PRO		333		32.134		.218		.583	1.00	
2671	С	PRO		333		35.234		.500		.387	1.00	
2672	0	PRO		333		34.814		.797		.314	1.00	
2673	N	SER		334		36.404		.329		.803	1.00	
2674	CA	SER				37.360				.164	1.00	
2675	CB	SER				38.538		.335		.182	1.00	
2676	OG	SER		334		38.289		.506		.072	1.00	
2677	C	SER				37.948				.530	1.00	
2678	0	SER		334		38.018		.616		.027	1.00	
2679	N	GLU		335		38.425		.411		.110	1.00	
2680	CA	GLU		335	-:	39.071		.466	88	.392	1.00	
2681	CB	GLU		335		38.936		.108		.108	1.00	
2682	CG	GLU	A 3	335	-:	39.910		.015		.686	1.00	
2683	CD	GLU		335		39.628		.410		.302	1.00	
2684	OE1	GLU		335		38.509		.579		.758	1.00	
2685	OE2	GLU	A 3	335		90.546	-13	.745	86	.754	1.00	33.53
2686	C	GLU		335		90.539				.180	1.00	
2687	0	GLU	A 3	335		91.144	-17	.504	87	.181	1.00	31.80
2688	N	PRO	A 3	336		91.096		.645	89	.090	1.00	
2689	CA	PRO	A 3	336		92.519	-18	.982	89	.014	1.00	33.39
2690	CB	PRO	A 3	336	- 1	92.611	-20	.258	89	.846	1.00	33.25
2691	CG	PRO	A 3	336	- 1	91.500	-20	.140	90	.835	1.00	32.41
2692	CD	PRO	A 3	336	- 1	90.419	-19	.330		.208	1.00	32.30
2693	C	PRO	A 3	336	-	93.408	-17	.899	89	.642	1.00	33.76

FIGURE 3 BA

A	В	C	D	Е		F		G		Н		Ι	J
2694	0	PRO	A :	336	_ 0	2.997	-17.	222	90	.593	1	.00	33.37
2695	N	HIS				4.602				.081		.00	33.63
2696	CA	HIS				5.606	-16.			.648		.00	33.97
2697	CB	HIS				6.009				.647		.00	34.05
2698	CG	HIS				4.912	-14.			.367		.00	33.96
2699	ND1	HIS				3.779				.652		.00	32.59
2700	CE1	HIS				2.981	-14.			.591		.00	31.42
2701	NE2	HIS				3.554	-13.			.240		.00	32.74
2702	CD2	HIS		337		4.757	-13.			.744		.00	31.64
2703	C	HIS				6.785	-17.			.075		.00	34.33
2704	ō	HIS				7.471	-18.			.247		.00	34.33
2705	N	PHE				6.977	-17.			.388		.00	34.78
2706	CA	PHE				7.942	-18.			.053		.00	34.88
2707	CB	PHE				7.402	-18.			.443		.00	34.38
2708	CG	PHE				6.348	-20.			.448		.00	33.53
2709	CD1	PHE				5.016				.607		.00	30.96
2710	CE1	PHE				4.060	-20.			.622		.00	30.30
2711	CZ	PHE				4.425	-22.			.485		.00	31.10
2712	CE2			338		5.749	-22.			.356		.00	30.16
2713	CD2	PHE				6.697				.330		.00	30.81
2714	C	PHE				9.318				.269		.00	35.84
2715	0	PHE				9.451	-16.			.610		.00	36.00
2716	N	THR				0.342	-18.			.121		.00	36.76
2717	CA	THR				1.703				.436		.00	37.70
2718	CB	THR				2.713				.012		.00	37.86
2719	OG1	THR				2.243				.445		.00	37.50
2720	CG2	THR				2.750				.509		.00	36.53
2721	C	THR				1.769				.945		.00	38.58
2722	ō	THR				1.026				.693		.00	38.09
2723	N	LEU				2.654				.386			40.19
2724	CA	LEU				2.786				.800		.00	41.82
2725	CB	LEU				4.125				.066			42.49
2726	CG	LEU				4.246				.286			44.34
2727	CD1	LEU	A :	340		4.163				.871		.00	46.76
2728	CD2	LEU	A :	340	-10	3.221	-15.	745	98	.373	1	.00	44.87
2729	C	LEU	A :	340	-10	2.673	-18.	311	96	.683	1	.00	42.12
2730	0	LEU	A :	340	-10	1.925	-18.	308	97	.652	1	.00	42.46
2731	N	ASP	A :	341	-10	3.416	-19.	365	96	.350	1	.00	42.85
2732	CA	ASP	A :	341	-10	3.374	-20.	612	97	.121	1	.00	43.36
2733	CB	ASP	A :	341	-10	4.599	-21.	486	96	.824		.00	43.86
2734	CG	ASP	A :	341	-10	4.579	-22.	085	95	.422	1	.00	45.87
2735	OD1	ASP	A :	341	-10	5.638	-22.	603	94	.986	1	.00	46.81
2736	OD2	ASP	A :	341	-10	3.557	-22.	101	94	.693	1	.00	48.08
2737	C	ASP	Α :	341	-10	2.087	-21.	407	96	.885	1	.00	43.25
2738	0	ASP	Α :	341	-10	1.795	-22.	373	97	.603	1	.00	43.43
2739	N	GLY	Α:	342	-10	1.340	-21.	015	95	.858	1	.00	42.65
2740	CA	GLY	Α:	342	-10	0.061	-21.	630	95	.561			42.59
2741	C	GLY	Α:	342	-10	0.063	-23.	104	95	.215	1	.00	42.29
2742	0	GLY	Α :	342	- 9	9.062	-23.	789	95	.427	1	.00	42.17
2743	N	ASN	Α :	343	-10	1.172	-23.	609	94	.694	1	.00	41.97
2744	CA	ASN	Α 3	343	-10	1.206	-25.	013	94	.292	1	.00	42.26

FIGURE 3 BB

A	В	С	D	E		F	(G		H	I	J
2745	CB	ASN	ъ :	343	-10	2.560	-25	638	9.4	.604	1 0	0 42.41
2746	CG	ASN		343		2.826				.077	1.0	
2747	OD1	ASN		343		2.034				.829	1.0	
2748	ND2	ASN		343		3.942	-25.			.504	1.0	
2749	C	ASN		343		0.947	-25.			.803		0 42.12
2750	0	ASN		343		0.891	-26.			.198	1.0	
2751	N	SER		344		0.784	-23.			.225	1.0	
2752	CA	SER		344		0.589	-23.			.815	1.0	
2753	CB	SER		344		1.937	-23.			.185	1.0	
2754	OG	SER		344		1.754	-22.			.931	1.0	
2755	C	SER		344		9.613	-22.			.563	1.0	
2756	Ö	SER		344		9.430	-21			.433	1.0	
2757	N	PHE		345		8.980	-22.			.389	1.0	
2758	CA			345		8.089	-21.			.041	1.0	
2759	CB	PHE		345		6.775	-21.			.824	1.0	
2760	CG			345		5.877	-22			.430	1.0	
2761	CD1	PHE		345		5.012	-22.			.362	1.0	
2762	CE1	PHE		345		4.174	-23.			.011	1.0	
2763	CZ			345		4.201	-24.			.721	1.0	
2764	CE2	PHE		345		5.062	-24.			.793	1.0	
2765	CD2			345		5.883	-23.			.141	1.0	
2766	C	PHE		345		7.811	-21.			.545	1.0	
2767	ō	PHE		345		7.966	-22.			.732	1.0	
2768	N	TYR		346		7.405	-20.			.203	1.0	
2769	CA	TYR		346		7.022	-19.			.845	1.0	
2770	CB	TYR		346		7.808	-18.			.370	1.0	
2771	CG	TYR		346		9.309				.534	1.0	
2772	CD1	TYR		346		0.101	-19.			.484	1.0	
2773	CE1	TYR		346		1.466	-19.			.627	1.0	
2774	CZ	TYR		346		2.062	-18.			.832	1.0	
2775	OH	TYR		346	-10	3.432	-19.	134	85	.977	1.0	0 37.64
2776	CE2	TYR	A 3	346	-10	1.300	-18.	569	86	.894	1.0	0 37.43
2777	CD2	TYR	A 3	346	-9	9.932	-18.	432	86	.742	1.0	38.88
2778	С	TYR	A 3	346	-9	5.530	-19.	489	85	.795	1.0	36.89
2779	0	TYR	A 3	346	-9	4.988	-18.	854	86	.707	1.0	36.84
2780	N	LYS	A 3	347	-9	4.852	-20.	020	84	.779	1.0	0 36.40
2781	CA	LYS	A 3	347	-9	3.465	-19.	644	84	.497	1.0	35.95
2782	CB	LYS	A 3	347	-9	2.414	-20.	410	85	.313	1.0	0 36.20
2783	CG	LYS	A 3	347	-9	2.486	-21.	884	85	.218	1.0	0 37.74
2784	CD	LYS	A 3	347	-9	1.106	-22.	494	85	.091	1.0	38.65
2785	CE	LYS	A 3	347	-9	0.068	-21.	885	85	.997	1.0	39.61
2786	NZ	LYS	A 3	347	-8	8.672	-22.	327	85	.572	1.0	38.56
2787	C	LYS	A 3	347	-9	3.157	-19.	717	83	.017	1.0	0 35.02
2788	0	LYS	A 3	347	-9	3.727	-20.	509	82	.285	1.0	0 35.33
2789	N			348		2.265	-18.			.582	1.0	
2790	CA			348		1.862	-18.			.193	1.0	
2791	CB	ILE		348		1.230				.894	1.0	
2792	CG1	ILE		348		2.251	-16.			.224	1.0	
2793	CD1			348		1.740	-14.		81	.028	1.0	
2794	CG2	ILE		348		0.719				.449	1.0	
2795	C	ILE	A 3	348	-9	0.873	-19.	941	80	.924	1.0	0 33.21

FIGURE 3 BC

A	В	C	D	E	F	G	H	I	J
2796	0			348		-20.097	81.665		32.34
2797	N			349	-91.135		79.903	1.00	33.04
2798	CA			349	-90.210		79.501		33.61
2799	CB			349	-90.548		80.157	1.00	33.58
2800	CG1	ILE		349	-91.881		79.650	1.00	34.71
2801	CD1	ILE		349	-92.226		80.207	1.00	35.03
2802	CG2	ILE		349	-90.598		81.680	1.00	35.71
2803	C	ILE		349	-90.279		77.998	1.00	33.01
2804	0	ILE		349	-91.234		77.401	1.00	32.93
2805	И			350	-89.267		77.364	1.00	32.79
2806	CA			350	-89.350		75.918	1.00	33.90
2807	CB	SER				-22.676	75.246	1.00	33.49
2808	OG			350	-87.082	-23.311	76.112	1.00	36.71
2809	С	SER		350	-90.286		75.495	1.00	33.70
2810	0			350		-24.805	76.014	1.00	32.51
2811	N	ASN		351		-23.384	74.546	1.00	34.29
2812	CA	ASN		351		-24.373	74.092	1.00	35.48
2813	CB	ASN		351	-93.260		73.405	1.00	35.01
2814	CG	ASN		351	-92.873		72.120	1.00	34.86
2815	OD1	ASN		351	-91.799		71.587	1.00	33.30
2816	ND2	ASN			-93.736		71.605	1.00	32.56
2817	С	ASN			-91.404		73.174	1.00	36.63
2818	0	ASN			-90.170		73.081	1.00	36.74
2819	N	GLU		352	-92.235		72.501	1.00	37.65
2820	CA	GLU		352	-91.763		71.608		38.55
2821	CB	GLU		352	-92.931		71.208	1.00	39.06
2822	CG	GLU		352	-93.957		70.264		41.38
2823	CD	GLU		352	-94.840		70.910		46.16
2824	OE1	GLU		352	-95.497		70.138	1.00	45.81
2825	OE2	GLU		352	-94.890		72.175		47.75
2826	С	GLU		352	-91.058		70.373	1.00	38.16
2827	0	GLU			-90.167		69.813	1.00	38.50
2828	N	GLU			-91.453		69.958	1.00	37.12
2829	CA	GLU		353	-90.826		68.818	1.00	36.69
2830	CB	GLU				-23.695	68.189		37.21
2831	CG	GLU		353	-93.211		67.932	1.00	40.63
2832	CD	GLU		353	-93.980		67.572	1.00	44.93
2833	OE1	GLU		353	-94.581		66.481		46.68
2834	OE2	GLU		353	-93.976		68.374	1.00	46.88
2835	C	GLU		353	-89.572	-24.010	69.262		35.39
2836	0	GLU		353	-88.890		68.442	1.00	35.44
2837	N	GLY			-89.302	-23.989	70.559	1.00	33.96
2838	CA	GLY			-88.195	-23.201	71.071	1.00	32.44
2839	C	GLY			-88.505		71.367	1.00	31.46
2840	0	GLY			-87.591		71.593	1.00	30.85
2841	N	TYR		355	-89.778		71.339	1.00	30.91
2842	CA	TYR		355	-90.122		71.726	1.00	30.80
2843	CB	TYR		355		-19.401	70.829	1.00	30.63
2844	CG	TYR		355	-90.695		69.445	1.00	32.02
2845	CD1	TYR		355	-90.762		68.434	1.00	32.17
2846	CE1	TYR	Α	355	-90.278	-19.799	67.179	1.00	31.62

FIGURE 3 BD

A	В	C	D	E	F	G	H	I	J
2847	CZ	TYR				-18.571	66.920		31.90
2848	OH	TYR				-18.276	65.670	1.00	33.67
2849	CE2	TYR			-89.625		67.900	1.00	32.64
2850	CD2	TYR			-90.111		69.154	1.00	32.64
2851	С	TYR			-90.508		73.206	1.00	30.34
2852	0	TYR		355		-20.837	73.693	1.00	30.13
2853	N	ARG		356		-18.934	73.927	1.00	29.55
2854	CA	ARG		356	-90.288		75.370		29.53
2855	CB	ARG		356		-18.017	76.081	1.00	29.51
2856	CG	ARG		356	-88.022	-18.853	76.506		29.63
2857	CD	ARG		356		-18.084	76.730		26.56
2858	NE	ARG		356	-85.607		76.218		26.34
2859	CZ	ARG			-85.111	-19.949	76.817		26.06
2860	NH1	ARG		356	-85.589		77.982		24.33
2861	NH2	ARG		356	-84.128		76.244		25.83
2862	C	ARG		356		-18.332	75.665		29.24
2863	0	ARG		356	-92.032	-17.226	75.267		29.37
2864	N	HIS		357	-92.476		76.370		29.34
2865	CA	HIS		357	-93.877		76.610	1.00	29.87
2866	CB	HIS		357	-94.789		75.578		29.04
2867	CG	HIS		357		-18.755	74.271		27.31
2868	ND1	HIS		357	-95.532	-17.554	74.122		26.59
2869	CE1	HIS		357	-95.428	-17.148	72.868		25.30
2870	NE2	HIS		357	-94.725		72.198	1.00	
2871	CD2	HIS		357	-94.363		73.053		25.52
2872	C	HIS		357	-94.303		77.996	1.00	31.03
2873	0	HIS		357		-19.987	78.650	1.00	31.02
2874	N	ILE		358		-18.684	78.432	1.00	32.92
2875	CA	ILE		358	-95.956		79.778	1.00	33.30
2876	CB	ILE				-17.868	80.182	1.00	32.95
2877	CG1		A	358	-96.295		80.092	1.00	32.51
2878 2879	CD1 CG2	ILE			-97.298 -97.423		80.019	1.00	31.79
2880	C	ILE		358	-97.423 -96.639		81.607 79.859	1.00	34.76
	0								34.76
2881	N	ILE		358 359	-97.518 -96.238		79.068 80.834	1.00	36.20
2882 2883	CA	CYS		359		-21.082	80.995	1.00	37.68
2884	CB	CYS		359		-23.467	80.813	1.00	38.06
	SG	CYS		359	-96.311		80.022	1.00	41.36
2885 2886	C	CYS		359	-97.420		82.389	1.00	38.10
2887	0	CYS		359	-96.846		83.348	1.00	37.64
2888	N	TYR			-98.600		82.465	1.00	38.74
2889	CA	TYR			-99.376		83.677	1.00	39.80
2890	CB	TYR			-100.848		83.298	1.00	
2891	CG	TYR		360	-101.824		84.444	1.00	41.20
2892	CD1	TYR		360	-101.824	-23.758	84.315	1.00	40.57
2893	CE1	TYR		360	-103.034		85.353		42.25
2894	CZ	TYR		360	-103.933		86.544		
2895	OH	TYR		360	-103.633	-23.173	87.588		43.69
2896	CE2	TYR		360	-104.332		86.696		42.16
2897	CD2	TYR			-102.433		85.651		42.10
2001	CDE	111	11	500	101.042	22.7/2	33.031	1.00	16.61

FIGURE 3 BE

A	В	С	D	Е	F	G	H	I	J
2898	С	TYR	А	360	-99.078	-24.481	84.332	1.00	40.54
2899	0			360	-99.267		83.738		41.09
2900	N	PHE			-98.572	-24.449	85.551		41.60
2901	CA	PHE			-98.272	-25.687	86.247		42.72
2902	CB	PHE			-96.852	-25.645	86.836		42.51
2903	CG	PHE			-95.756	-25.536	85.808		41.05
2904	CD1			361		-26.568	85.625		41.28
2905	CE1	PHE			-93.838	-26.467	84.693		41.21
2906	CZ	PHE		361	-93.715	-25.322	83.937	1.00	40.10
2907	CE2	PHE			-94.603	-24.290	84.116	1.00	38.79
2908	CD2	PHE			-95.612	-24.397	85.046	1.00	39.46
2909	C	PHE			-99.262	-25.913	87.381	1.00	43.89
2910	Ö	PHE			-99.809	-24.964	87.931	1.00	
2911	N	GLN			-99.510		87.711	1.00	45.58
2912	CA	GLN			-100.272	-27.499	88.912		47.47
2913	CB	GLN				-28.440	88.616		48.12
2914	CG	GLN		362	-102.775	-28.051	89.306		49.81
2915	CD	GLN			-102.773	-28.830	90.613	1.00	53.36
2916	OE1	GLN		362	-102.728	-28.369	91.715	1.00	52.94
2917	NE2	GLN			-102.728	-29.998	90.483	1.00	53.59
					-99.247	-28.158			48.25
2918 2919	C	GLN GLN			-98.430	-28.974	89.821 89.376	1.00	48.02
2920	N			363	-99.252	-27.778	91.087	1.00	
2921	CA			363	-98.246	-28.286	92.008	1.00	51.02
2921	CB			363	-98.629	-27.965	93.479		51.02
2923	CG1			363		-26.571	93.851	1.00	51.54
2923	CD1			363	-96.885	-26.371	93.851		51.02
2924	CG2			363	-98.007	-28.949	94.436	1.00	50.93
2925	C			363	-98.007	-28.949	91.825	1.00	52.01
2927									52.17
2927	N O	ASP		363	-96.858 -99.084	-30.214 -30.527	91.808 91.633	1.00	53.58
2929	CA	ASP			-99.014	-31.992	91.612		54.84
2930	CB	ASP			-100.112	-32.558	92.521	1.00	
2931	CG	ASP			-99.788	-32.338	93.981	1.00	56.58
2932 2933	OD1 OD2	ASP ASP			-98.635 -100.600	-32.680 -31.958	94.350 94.831	1.00	59.18 58.32
				364		-31.956			
2934	C	ASP		364	-99.037		90.276	1.00	55.38 55.51
2935	0	ASP		364	-99.183	-33.983		1.00	
2936	N	LYS		365	-98.917	-32.080	89.131	1.00	55.78
2937	CA			365	-98.863	-32.809	87.855	1.00	56.42
2938	CB	LYS		365	-100.170	-32.712	87.048	1.00	56.40
2939	CG			365	-100.577	-31.309	86.667	1.00	57.92
2940	CD			365	-101.169	-31.221	85.252		60.34
2941	CE			365	-102.600	-31.746	85.151	1.00	
2942	NZ			365	-102.681	-33.100	84.496		62.69
2943	C			365	-97.652	-32.444	86.992	1.00	56.62
2944	0			365	-97.321	-31.265	86.818	1.00	57.24
2945	N	LYS		366	-97.006	-33.465	86.437	1.00	56.42
2946	CA			366	-95.798	-33.277	85.641	1.00	55.99
2947	CB			366	-95.240	-34.629	85.170	1.00	
2948	CG	LYS	Α	366	-94.036	-34.533	84.209	1.00	57.83

FIGURE 3 BF

A	В	С	D	Е	F	G	H	I	J
2949	CD	LYS	Α	366	-92.819	-33.841	84.852	1.00	59.89
2950	CE	LYS	Α	366	-92.654	-32.382	84.393	1.00	60.92
2951	NZ			366	-91.681	-31.585	85.205	1.00	
2952	C			366	-95.952	-32.344	84.447		55.08
2953	ō	LYS		366	-95.009	-31.666	84.068	1.00	
2954	N	ASP		367	-97.128	-32.281	83.848	1.00	
2955	CA	ASP		367	-97.211	-31.500	82.619		52.94
2956	CB	ASP		367	-97.631	-32.379	81.445	1.00	53.37
2957	CG	ASP		367	-96.519	-33.310	81.006	1.00	54.80
2958	OD1	ASP		367	-96.712	-34.545	81.071		55.44
2959	OD2			367	-95.408	-32.888	80.595		57.04
						-32.888			
2960	C	ASP		367	-98.010		82.673		51.72
2961	0	ASP			-99.181	-30.177	83.053	1.00	
2962	N	CYS		368	-97.349	-29.129	82.263		49.45
2963	CA	CYS		368	-97.957	-27.827	82.275		47.42
2964	CB			368	-96.888	-26.771	82.554		47.41
2965	SG	CYS		368	-95.730	-26.542	81.198	1.00	
2966	C	CYS		368	-98.619	-27.556	80.938	1.00	
2967	0	CYS		368	-98.368	-28.249	79.948	1.00	
2968	N	THR		369	-99.490	-26.559	80.907	1.00	
2969	CA			369		-26.180	79.642		42.61
2970	CB			369	-101.619		79.577	1.00	
2971	OG1			369	-102.392	-25.353	79.264	1.00	
2972	CG2			369		-26.942	80.929		43.54
2973	С	THR		369	-99.712	-24.733	79.317	1.00	
2974	0	THR		369	-99.563	-23.908	80.203		40.88
2975	N	PHE		370	-99.482	-24.462	78.045	1.00	
2976	CA	PHE		370	-99.060	-23.150	77.607	1.00	37.31
2977	CB	PHE		370	-98.248	-23.272	76.310	1.00	37.15
2978	CG	PHE		370	-96.838	-23.766	76.511	1.00	34.73
2979	CD1		Α	370	-95.844	-22.905	76.967	1.00	33.48
2980	CE1			370	-94.530	-23.352	77.158	1.00	
2981	CZ			370	-94.208	-24.678	76.875	1.00	
2982	CE2	PHE	Α	370	-95.201	-25.543	76.416	1.00	32.47
2983	CD2	PHE	Α	370	-96.505	-25.079	76.233	1.00	33.08
2984	C	PHE	Α	370	-100.268	-22.270	77.372	1.00	37.01
2985	0	PHE	Α	370	-101.214	-22.663	76.673	1.00	36.86
2986	N	ILE	Α	371	-100.246	-21.068	77.938	1.00	36.08
2987	CA	ILE	Α	371	-101.362	-20.156	77.733	1.00	35.33
2988	CB	ILE	Α	371	-101.798	-19.484	79.045	1.00	35.35
2989	CG1	ILE	Α	371	-100.774	-18.452	79.500	1.00	35.72
2990	CD1	ILE	Α	371	-101.094	-17.846	80.831	1.00	33.45
2991	CG2	ILE	Α	371	-101.933	-20.517	80.118	1.00	36.12
2992	C	ILE	Α	371	-101.061	-19.154	76.637	1.00	34.47
2993	0	ILE	Α	371	-101.967	-18.464	76.156	1.00	34.72
2994	N	THR	Α	372	-99.796	-19.073	76.238	1.00	33.71
2995	CA	THR	Α	372	-99.413	-18.250	75.081	1.00	33.23
2996	CB	THR	Α	372	-98.559	-17.026	75.457	1.00	33.14
2997	OG1	THR	Α	372	-97.327	-17.458	76.046	1.00	31.70
2998	CG2	THR	Α	372	-99.232	-16.189	76.529	1.00	33.50
2999	C	THR	Α	372	-98.647		74.084	1.00	33.04

FIGURE 3 BG

A	В	С	D	Е		F	G	1	Н	1	J
3000	0	THR	А	372	-98	.098	-20.14	9 74	.442	1.00	32.62
3001	N	LYS		373		.605	-18.64		.842	1.00	33.13
3002	CA	LYS		373		.946	-19.34		.751	1.00	33.71
3003	CB	LYS		373		.864	-20.46		.236	1.00	34.69
3004	CG	LYS		373		.515	-21.83		.757	1.00	37.34
3005	CD	LYS		373		.573	-22.58		.808	1.00	40.07
3006	CE	LYS		373		.611	-24.07		.129	1.00	41.29
3007	NZ	LYS		373		.392	-24.33		.596	1.00	39.51
3008	С		A	373		.695	-18.38		.611	1.00	32.96
3009	0	LYS		373		.313	-17.32		.532	1.00	33.22
3010	N	GLY		374		.811	-18.76		.705	1.00	32.47
3011	CA	GLY	Α	374	-96	.525	-17.92	3 68	.550	1.00	31.99
3012	С	GLY	Α	374	-95	.031	-17.79	5 68	.293	1.00	31.37
3013	0	GLY		374		.226	-18.20		.110	1.00	31.20
3014	N	THR		375		.658			.154	1.00	30.90
3015	CA	THR	Α	375	-93	.246	-17.00	4 66	.875	1.00	30.93
3016	CB	THR	Α	375	-92	.924	-17.14	3 65	.362	1.00	30.63
3017	OG1	THR	Α	375	-93	.906	-16.44	0 64	.590	1.00	31.31
3018	CG2	THR	Α	375	-93	.075	-18.61	9 64	.906	1.00	30.29
3019	C	THR	Α	375	-92	.865	-15.62	5 67	.393	1.00	30.34
3020	0	THR	Α	375	-92	.659	-14.70	7 66	.623	1.00	30.61
3021	N	TRP	Α	376	-92	.856	-15.49	8 68	.715	1.00	29.89
3022	CA	TRP	Α	376	-92	.439	-14.29	9 69	.434	1.00	29.59
3023	CB	TRP	Α	376	-93	.478	-13.17	3 69	.372	1.00	29.71
3024	CG	TRP	Α	376	-94	.880	-13.61	9 69	.599	1.00	30.29
3025	CD1	TRP	Α	376		.776	-14.01	.7 68	.647	1.00	29.32
3026	NE1	TRP	Α	376	-96	.965	-14.36	2 69	.241	1.00	28.96
3027	CE2	TRP	Α	376	-96	.862	-14.20	3 70	.594	1.00	27.80
3028	CD2	TRP	Α	376	-95	.561	-13.72	8 70	.860	1.00	29.24
3029	CE3	TRP	Α	376	-95	.201	-13.47	3 72	.190	1.00	28.12
3030	CZ3	TRP	Α	376		.126	-13.69		.186	1.00	27.35
3031	CH2	TRP		376		.421	-14.16		.884		28.74
3032	CZ2	TRP		376		.804	-14.41		.595		29.31
3033	С	TRP		376		.210	-14.78		.859	1.00	29.40
3034	0	TRP		376		.395			.140		28.98
3035	N	GLU		377		.770	-13.91		.755		29.21
3036	CA	GLU		377		.496	-14.38		.113		29.11
3037	CB	GLU		377		.988	-14.61		.336		28.79
3038	CG	GLU		377		.448	-15.84		.627	1.00	28.35
3039	CD	GLU		377		.088	-16.32		.120		29.91
3040	OE1	GLU		377		.752	-17.49		.827	1.00	29.47
3041	OE2	GLU		377		.343	-15.54		.778		28.67
3042	С	GLU		377		.099	-13.56		.240		28.79
3043	0	GLU		377		.302	-12.35		.116	1.00	29.25
3044	N	VAL		378		.412	-14.23		.332		28.38
3045	CA	VAL		378		.837	-13.56		.541	1.00	27.65
3046	CB	VAL		378		.646	-14.51		.439		27.88
3047	CG1	VAL		378		.804	-13.92		.830		26.50
3048	CG2	VAL		378		.027	-14.83		.800	1.00	26.31
3049	C	VAL		378		.562	-13.14		.275		27.70
3050	0	VAL	А	3/8	-90	1./18	-13.97	6 77	.593	1.00	27.32

FIGURE 3 BH

A	В	C	D	E	F		G	H	1	J
3051	N	ILE		379	-91.40			77.523		27.85
3052	CA	ILE		379	-90.22			78.202		27.66
3053	CB	ILE			-90.08		.875	77.966		27.68
3054	CG1	ILE		379	-90.09		.569	76.475		27.06
3055	CD1	ILE		379	-88.98			75.698		27.23
3056	CG2	ILE		379	-88.82		.343	78.633		27.37
3057	C	ILE		379	-90.35			79.691	1.00	28.64
3058	0	ILE		379	-89.43			80.328		28.55
3059	N		Α	380	-91.49		.252	80.259	1.00	29.04
3060	CA	GLY		380	-91.68			81.676	1.00	30.14
3061	С	GLY		380	-93.13			82.135	1.00	31.28
3062	0	GLY		380	-94.00			81.518	1.00	31.31
3063	N	ILE	Α	381	-93.39			83.199	1.00	32.45
3064	CA			381	-94.68			83.851	1.00	33.24
3065	CB	ILE	Α	381	-94.98		.501	84.587	1.00	33.27
3066	CG1	ILE	Α	381	-95.24	1 -14	.628	83.585	1.00	33.10
3067	CD1	ILE	Α	381	-95.01	B -16	.022	84.135	1.00	31.40
3068	CG2	ILE	Α	381	-96.19	6 -13	.313	85.485	1.00	32.88
3069	C	ILE	Α	381	-94.55		.063	84.847	1.00	33.97
3070	0	ILE	Α	381	-93.72			85.766	1.00	33.63
3071	N	GLU	Α	382	-95.37	4 -10	.046	84.658	1.00	34.75
3072	CA	GLU	Α	382	-95.34	8- 0	.857	85.480	1.00	35.69
3073	CB	GLU		382	-95.64		.656	84.590	1.00	35.50
3074	CG	GLU	Α	382	-94.68		.593	83.411	1.00	35.79
3075	CD	GLU	Α	382	-93.22		.560	83.859	1.00	37.37
3076	OE1	GLU	Α	382	-92.87		.704	84.701	1.00	36.22
3077	OE2	GLU	Α	382	-92.43		.411	83.392	1.00	38.76
3078	C	GLU	Α	382	-96.28	2 -8	.924	86.694	1.00	36.12
3079	0	GLU	Α	382	-96.00		.354	87.758	1.00	35.75
3080	N	ALA	Α	383	-97.39	2 -9	.631	86.550	1.00	36.81
3081	CA	ALA	Α	383	-98.29		.773	87.689	1.00	36.98
3082	CB	ALA			-98.88		.420	88.082	1.00	36.65
3083	C	ALA			-99.40			87.404	1.00	37.31
3084	0	ALA	Α	383	-99.72			86.253	1.00	37.00
3085	N	LEU	Α	384	-99.98			88.469	1.00	38.15
3086	CA	LEU	Α	384	-101.14			88.310	1.00	39.28
3087	CB	LEU		384	-100.75			88.239	1.00	39.69
3088	CG	LEU	Α	384	-100.87	4 -14	.284	89.581	1.00	39.71
3089	CD1	LEU		384	-100.76			89.460	1.00	37.20
3090	CD2	LEU	А	384	-99.80			90.476	1.00	42.83
3091	С	LEU		384	-102.14			89.434	1.00	39.71
3092	0	LEU		384	-101.79			90.608	1.00	39.17
3093	N	THR	Α	385	-103.40	9 -11	.817	89.048	1.00	40.18
3094	CA	THR			-104.48		.699	90.010	1.00	40.86
3095	CB	THR		385	-105.34			89.674		40.38
3096	OG1	THR		385	-105.75			88.300	1.00	39.61
3097	CG2	THR		385	-104.49		.244	89.719	1.00	39.99
3098	С	THR		385	-105.27			89.891	1.00	41.83
3099	0	THR		385	-104.81			89.263	1.00	41.94
3100	N	SER		386	-106.46			90.486		42.59
3101	CA	SER	Α	386	-107.29	1 -14	.228	90.383	1.00	43.17

FIGURE 3 BI

A	В	C	D	E	F	G	H	I	J
3102	СВ	CED	70	386	100 434	-14.179	91.393	1 00	43.36
						-13.395	90.883		44.75
3103	OG			386					
3104 3105	C			386 386		-14.310 -15.401	88.985 88.492		43.23
	0								
3106	N	ASP		387		-13.151	88.352		43.17
3107	CA	ASP		387	-108.713		87.040		43.23
3108	CB	ASP		387		-11.866	87.012	1.00	
3109	CG	ASP		387	-110.811		88.036		46.84
3110	OD1	ASP		387	-111.477		88.092	1.00	47.87
3111	OD2	ASP		387		-11.046	88.825		49.98
3112	C	ASP		387		-12.929	85.834		42.74
3113	0	ASP		387		-13.366	84.733	1.00	
3114	N	TYR			-106.610		86.028		42.04
3115	CA	TYR		388	-105.704		84.922		41.04
3116	CB			388	-105.918		84.456		41.59
3117	CG	TYR		388		-10.254	83.845		43.68
3118	CD1	TYR		388	-108.245		84.566	1.00	
3119	CE1	TYR		388	-109.486		84.002		46.09
3120	CZ	TYR		388	-109.756		82.705	1.00	46.54
3121	OH	TYR			-110.995		82.144	1.00	
3122	CE2			388	-108.797		81.973	1.00	45.96
3123	CD2			388	-107.565		82.537	1.00	44.99
3124	С	TYR			-104.206		85.201		40.05
3125	0	TYR		388		-11.973	86.322	1.00	39.45
3126	N	LEU		389	-103.492		84.128	1.00	38.96
3127	CA	LEU		389	-102.057		84.141	1.00	37.49
3128	CB	LEU		389	-101.694		83.556	1.00	37.55
3129	CG	LEU		389	-100.251		83.193	1.00	37.72
3130	CD1	LEU		389	-99.461		82.493	1.00	35.09
3131	CD2	LEU		389	-99.501		84.384	1.00	34.39
3132	С	LEU		389	-101.581		83.248	1.00	36.68
3133	0			389	-102.035		82.100	1.00	36.51
3134	N			390	-100.734		83.790	1.00	35.56
3135	CA	TYR			-100.152		82.990	1.00	34.84
3136	CB			390	-100.160		83.753	1.00	34.98
3137	CG	TYR		390	-101.548		84.149	1.00	36.76
3138	CD1	TYR		390	-102.314		83.307	1.00	37.18
3139	CE1	TYR		390	-103.579		83.671	1.00	37.10
3140	CZ	TYR		390	-104.107		84.885	1.00	37.72
3141	OH			390	-105.374		85.265	1.00	38.83
3142	CE2	TYR		390	-103.376		85.729	1.00	38.02
3143	CD2	TYR			-102.099		85.359	1.00	37.31
3144	С			390	-98.725		82.584	1.00	33.82
3145	0	TYR			-97.974		83.375	1.00	32.84
3146	N	TYR			-98.363		81.338	1.00	33.20
3147	CA	TYR		391	-97.034		80.877	1.00	32.69
3148	CB	TYR		391	-96.995		80.357	1.00	32.36
3149	CG	TYR		391	-97.691		79.027	1.00	32.00
3150	CD1	TYR		391	-97.027		77.833	1.00	31.00
3151	CE1	TYR		391	-97.656		76.617	1.00	32.29
3152	CZ	TYR	Α	391	-98.972	-12.095	76.588	1.00	32.79

FIGURE 3 BJ

A	В	С	D	E	F	G	H	I	J
3153	ОН	TYR		201	-99.612	12 206	75.378	1 00	33.27
					-99.654		77.765	1.00	
3154	CE2	TYR							33.23
3155 3156	CD2 C	TYR			-99.013 -96.563	-12.094 -9.085	78.976 79.792	1.00	32.20
3157	0	TYR			-97.361	-8.453	79.099		32.50
3158	N	ILE			-95.251	-9.014	79.639		31.52
3159	CA	ILE			-94.684	-8.212	78.578	1.00	
3160	CB	ILE			-93.557	-7.329	79.140	1.00	31.30
3161	CG1	ILE			-94.180	-6.177	79.933	1.00	
3162	CD1	ILE			-93.211	-5.162	80.474	1.00	
3163	CG2	ILE			-92.688	-6.823	78.006		31.62
3164	C	ILE			-94.162	-9.167	77.520	1.00	
3165	0	ILE			-93.658	-10.223	77.860	1.00	
3166	N	SER			-94.294	-8.812	76.247	1.00	
3167	CA	SER			-93.789	-9.659	75.182	1.00	
3168	CB	SER			-94.861		74.764		29.92
3169	OG	SER				-10.120	73.709		29.63
3170	C	SER			-93.417	-8.846	73.959		29.79
3171	0	SER			-93.829	-7.676	73.826		29.67
3172	И	ASN			-92.661	-9.456	73.048		29.19
3173	CA	ASN			-92.342	-8.766	71.805		29.62
3174	CB	ASN			-90.876	-8.940	71.409	1.00	
3175	CG	ASN				-10.380	71.413		28.75
3176	OD1	ASN			-91.266		71.323		29.80
3177	ND2	ASN			-89.132		71.531		23.61
3178	C	ASN			-93.246	-9.200	70.654		30.28
3179	0	ASN			-92.810	-9.244	69.510	1.00	30.27
3180	N	GLU			-94.501	-9.513	70.959		31.07
3181	CA	GLU				-10.010	69.929	1.00	
3182	CB	GLU			-96.656	-10.646	70.552	1.00	
3183	CG	GLU				-11.121	69.513	1.00	
3184	CD	GLU				-11.565	70.112		36.35
3185	OE1	GLU				-12.148	69.363		38.35
3186	OE2	GLU			-99.242		71.320		35.05
3187	С	GLU			-95.831	-8.960	68.911		32.44
3188	0	GLU			-95.924	-9.246	67.725	1.00	
3189	N	TYR			-96.046	-7.737	69.372	1.00	32.94
3190	CA	TYR			-96.538	-6.696	68.492		34.02
3191	CB	TYR			-96.678	-5.376	69.238	1.00	
3192	CG	TYR			-97.530	-4.373	68.514	1.00	35.62
3193	CD1	TYR			-97.009	-3.156	68.129	1.00	37.19
3194	CE1	TYR			-97.781	-2.228	67.475	1.00	38.08
3195	CZ	TYR			-99.097	-2.522	67.206		39.93
3196	OH	TYR			-99.869	-1.596	66.549	1.00	
3197	CE2	TYR			-99.641	-3.733	67.573		36.99
3198	CD2	TYR			-98.864	-4.643	68.220	1.00	36.76
3199	С	TYR			-95.757	-6.485	67.198	1.00	34.70
3200	0	TYR			-94.589	-6.043	67.195	1.00	34.91
3201	N	LYS			-96.446	-6.799	66.107	1.00	
3202	CA	LYS			-95.975	-6.620	64.732		35.51
3203	CB	LYS	Α	397	-95.805	-5.142	64.382	1.00	36.04

FIGURE 3 BK

A	В	С	D	E	F	,	G	H		I	J
3204	CG	LYS	n	397	-97.0	85 -4	1.336	64.6	531	1.00	37.94
3205	CD	LYS		397	-97.2		3.189	63.6			43.63
3206	CE			397	-98.4		3.463	62.6			46.07
3207	NZ	LYS		397	-99.6		2.736	62.9			48.66
3208	C	LYS		397	-94.7		7.479	64.3			34.76
	0	LYS		397	-94.1		7.318	63.3		1.00	35.69
3209					-94.1		3.432				34.51
3210	N	GLY		398			9.378	65.2		1.00	
3211 3212	CA	GLY		398	-93.4 -92.0		3.789	64.9		1.00	33.09
	C		A	398						1.00	31.76
3213	0	GLY			-91.0		317	64.6			31.50
3214	N	MET		399	-91.9		7.714	65.9			30.92
3215	CA	MET		399	-90.7		5.974	66.1			29.83
3216	CB	MET			-91.0		.475	66.1			29.98
3217	CG		A	399	-91.6		.021	64.8		1.00	29.96
3218	SD	MET		399	-92.2		3.368	64.8			37.21
3219	CE	MET		399	-90.7		2.469	65.4			33.01
3220	C	MET		399	-90.1		7.371	67.4			29.01
3221	0	MET		399	-90.5		.920	68.5			28.71
3222	N	PRO		400	-89.0		3.190	67.4		1.00	28.26
3223	CA	PRO		400	-88.4		3.745	68.6			27.62
3224	CB	PRO		400	-87.1		.488	68.0			27.70
3225	CG	PRO		400	-87.5		798	66.6			28.07
3226	CD			400	-88.4		3.614	66.1			27.97
3227	C	PRO		400	-87.8		7.677	69.5			27.75
3228	0	PRO		400	-87.7		7.936	70.7			27.06
3229	N	GLY			-87.5		5.504	69.0			27.25
3230	CA	GLY		401	-86.9		.409	69.7			27.34
3231	C	GLY			-88.0		1.491	70.2			27.51
3232	0	GLY			-87.7		3.419	70.7			28.06
3233	N	GLY			-89.3		1.911	70.1			27.24
3234	CA	GLY			-90.4		1.153	70.6			27.47
3235	C	GLY			-90.8		.818	71.9			28.19
3236	0	GLY			-90.5		.983	72.2			28.06
3237	N	ARG			-91.5		1.088	72.8			28.82
3238	CA	ARG			-91.9		1.588	74.1			29.49
3239	CB	ARG		403	-90.9		1.061	75.1		1.00	30.06
3240	CG	ARG			-90.2		0.072	75.9		1.00	30.95
3241	CD	ARG		403	-89.6		.206	75.1		1.00	33.17
3242	NE	ARG		403	-88.2		5.580	75.5		1.00	33.21
3243	CZ	ARG			-87.3		.896	74.5		1.00	33.74
3244	NH1	ARG		403	-86.1		7.249	74.9		1.00	35.28
3245	NH2	ARG			-87.7		.859	73.3		1.00	32.54
3246	C	ARG			-93.3		3.999	74.4			29.90
3247	0	ARG			-93.5		2.791	74.3			29.67
3248	N	ASN			-94.3		1.841	74		1.00	30.17
3249	CA	ASN		404	-95.6		1.357	75.1		1.00	31.02
3250	CB	ASN		404	-96.5		1.346	73.9		1.00	30.84
3251	CG	ASN		404	-96.4		3.123	73.1		1.00	31.54
3252	OD1	ASN		404	-95.9		3.227	71.9		1.00	34.51
3253	ND2	ASN		404	-96.7		.962	73.6			31.54
3254	C	ASN	Α	404	-96.2	96 -5	.116	76.3	309	1.00	30.96

FIGURE 3 BL

A	В	С	D	Е	F	G	H	I	J
3255	0	ASN	А	404	-96.097	-6.309	76.468	1.00	31.51
3256	N	LEU		405	-97.108	-4.416	77.087	1.00	31.43
3257	CA	LEU			-97.824	-5.044	78.183	1.00	31.86
3258	CB	LEU		405	-98.169	-4.011	79.262	1.00	31.55
3259	CG	LEU		405	-99.055	-4.538	80.406	1.00	32.11
3260	CD1	LEU		405	-98.305	-5.562	81.269	1.00	29.98
3261	CD2	LEU		405	-99.584	-3.421	81.287	1.00	31.87
3262	C	LEU		405	-99.100	-5.711	77.681	1.00	32.43
3263	ŏ	LEU		405	-99.890	-5.096	76.980	1.00	31.29
3264	N	TYR		406	-99.285	-6.978	78.040	1.00	33.78
3265	CA	TYR		406	-100.503	-7.697	77.696	1.00	35.09
3266	CB	TYR		406	-100.249	-8.855	76.738	1.00	34.76
3267	CG	TYR			-99.685	-8.475	75.396	1.00	34.78
3268	CD1	TYR			-100.491	-8.453	74.257	1.00	33.10
3269	CE1	TYR			-99.964	-8.119	73.025	1.00	33.82
3270	CZ	TYR		406	-98.611	-7.819	72.920	1.00	32.85
3271	OH	TYR		406	-98.060	-7.478	71.705	1.00	31.33
3272	CE2	TYR		406	-97.805	-7.845	74.033	1.00	32.74
3273	CD2	TYR		406	-98.337	-8.171	75.256	1.00	33.14
3274	C	TYR			-101.157	-8.253	78.949	1.00	36.09
3275	Ö	TYR		406	-100.559	-8.302	80.014	1.00	35.94
3276	N	LYS		407	-102.399	-8.689	78.793	1.00	37.79
3277	CA	LYS			-103.172	-9.246	79.887	1.00	39.76
3278	CB	LYS		407	-104.129	-8.175	80.361	1.00	39.96
3279	CG	LYS		407	-105.278	-8.580	81.224		41.71
3280	CD	LYS		407	-106.415	-7.629	80.904	1.00	43.83
3281	CE	LYS		407	-106.940	-6.878	82.132	1.00	47.46
3282	NZ	LYS		407	-108.000	-5.875	81.719	1.00	46.10
3283	C		A	407	-103.909	-10.473	79.347	1.00	40.89
3284	Ö	LYS		407	-104.532	-10.429	78.301	1.00	40.99
3285	N		A	408	-103.812	-11.592	80.033	1.00	42.46
3286	CA	ILE			-104.484	-12.776	79.520	1.00	43.24
3287	CB	ILE			-103.429	-13.860	79.167	1.00	43.09
3288	CG1			408	-104.089	-15.189	78.834	1.00	43.14
3289	CD1	ILE			-103.228		77.948		43.96
3290	CG2	ILE		408	-102.441	-14.017	80.289	1.00	42.69
3291	C	ILE		408	-105.575		80.478	1.00	43.91
3292	Ö	ILE		408	-105.319	-13.510	81.657	1.00	43.59
3293	N	GLN		409	-106.804	-13.364	79.964	1.00	45.17
3294	CA	GLN		409	-107.937	-13.837	80.757	1.00	46.28
3295	CB	GLN		409	-109.236	-13.845	79.943	1.00	46.51
3296	CG	GLN		409	-110.039		79.986	1.00	48.80
3297	CD	GLN		409	-111.528	-12.792	80.225		51.08
3298	OE1	GLN		409	-112.384	-12.134	79.628	1.00	52.08
3299	NE2	GLN			-111.834		81.107		51.58
3300	C	GLN		409	-107.677	-15.231	81.262	1.00	46.28
3300	ŏ	GLN		409	-107.680		80.488	1.00	46.64
3302	N	LEU		410	-107.459		82.562	1.00	46.95
3302	CA	LEU		410	-107.187		83.160	1.00	47.82
3304	CB	LEU		410	-106.892	-16.519	84.655		47.64
3305	CG	LEU			-105.435		85.140		48.05
3303	CG	DEC	n	410	-100.400	10.431	00.140	1.00	-0.00

FIGURE 3 BM

A	В	C	D	E	F	G	H	I	J
3306	CD1	LEU	70	410	-104.508	_15 925	84.122	1 00	47.02
3307	CD2	LEU			-105.342		86.480	1.00	
3308	CDZ	LEU			-108.332		82.940	1.00	
3309	0	LEU			-108.332		82.926		49.20
					-109.551	-17.151			
3310	N CA	SER			-110.697		82.763	1.00	49.21
3311	CB	SER			-111.998		82.564 83.113	1.00	49.66
3312	OG	SER			-112.334		82.459	1.00	50.12
3314	C	SER			-110.852		81.109	1.00	49.64
3315	Ö	SER			-111.721		80.760	1.00	
3316	N	ASP			-110.004		80.264		49.70
3317	CA	ASP			-109.974		78.844	1.00	49.70
3318	CB	ASP			-111.249		78.129	1.00	49.32
3319	CG	ASP			-111.118		76.631	1.00	49.86
3320	OD1	ASP			-111.110		75.925	1.00	
3321	OD2	ASP			-110.505		76.069		49.93
3322	C	ASP			-108.754		78.150	1.00	
3323	Ö	ASP			-108.737		77.808	1.00	48.74
3324	N	TYR			-107.762		77.909	1.00	
3325	CA	TYR			-106.470		77.340	1.00	48.21
3326	CB	TYR			-105.569		77.219		48.00
3327	CG	TYR			-105.346		78.544	1.00	47.05
3328	CD1	TYR			-105.400		79.728	1.00	45.48
3329	CE1	TYR			-105.205		80.952		45.07
3330	CZ	TYR			-104.948		81.004	1.00	
3331	OH	TYR			-104.737		82.228		45.70
3332	CE2	TYR			-104.885		79.841	1.00	
3333	CD2	TYR			-105.087		78.616	1.00	
3334	C	TYR			-106.501		76.013	1.00	
3335	ŏ	TYR			-105.594		75.726	1.00	48.44
3336	N	THR			-107.520		75.197		47.87
3337	CA	THR			-107.567		73.905	1.00	48.02
3338	CB	THR			-108.516		72.932		48.47
3339	OG1	THR			-108.533		73.228	1.00	
3340	CG2	THR			-107.962		71.507		49.08
3341	С	THR			-107.979		74.061	1.00	
3342	Ō	THR			-107.921		73.104	1.00	47.40
3343	N	LYS			-108.408		75.269	1.00	47.86
3344	CA	LYS	Α	415	-108.818	-13.681	75.566	1.00	48.09
3345	CB	LYS	Α	415	-109.919	-13.668	76.634	1.00	48.35
3346	CG	LYS	Α	415	-111.348	-13.882	76.099	1.00	49.40
3347	CD	LYS	Α	415	-112.327	-14.273	77.230	1.00	50.67
3348	CE	LYS	Α	415	-113.733	-14.598	76.681	1.00	52.10
3349	NZ	LYS	Α	415	-114.681	-15.192	77.678	1.00	50.50
3350	C	LYS	Α	415	-107.602	-12.851	76.010	1.00	47.68
3351	0	LYS	Α	415	-107.281	-12.758	77.211	1.00	47.60
3352	N	VAL	Α	416	-106.923	-12.256	75.034	1.00	46.94
3353	CA	VAL	Α	416	-105.718	-11.476	75.315	1.00	46.15
3354	CB	VAL	Α	416	-104.464	-12.136	74.718	1.00	46.12
3355	CG1	VAL	Α	416	-103.219	-11.347	75.096	1.00	46.22
3356	CG2	VAL	Α	416	-104.341	-13.572	75.187	1.00	46.14

FIGURE 3 BN

A	В	C I	D E	F	G	Н	I	J
3357	С	VAL.	A 416	-105.818	-10.045	74.804	1.00	45.58
3358	Ö		A 416	-106.069	-9.810	73.624	1.00	
3359	N		A 417	-105.614	-9.094	75.708	1.00	44.95
3360	CA		A 417	-105.657	-7.682	75.359	1.00	44.73
3361	CB		A 417	-106.527	-6.897	76.374	1.00	44.76
3362	OG1		A 417	-107.715	-7.631	76.693	1.00	46.65
3363	CG2		A 417	-107.050	-5.622	75.752	1.00	45.28
3364	c		A 417	-104.260	-7.097	75.426	1.00	44.13
3365	ō		A 417	-103.505	-7.382	76.362	1.00	44.42
3366	N		A 418	-103.899	-6.289	74.443	1.00	43.39
3367	CA		A 418	-102.660	-5.559	74.555	1.00	42.51
3368	CB	CYS 2	A 418	-102.050	-5.243	73.204	1.00	42.80
3369	SG	CYS 2	A 418	-100.345	-4.653	73.414	1.00	43.32
3370	C		A 418	-103.005	-4.275	75.271	1.00	42.18
3371	0		A 418	-103.848	-3.510	74.805		42.52
3372	N	LEU 2	A 419	-102.356	-4.030	76.399	1.00	41.41
3373	CA	LEU 2	A 419	-102.669	-2.859	77.201	1.00	41.03
3374	CB	LEU 2	A 419	-102.488	-3.161	78.699	1.00	40.49
3375	CG	LEU 2	A 419	-103.396	-4.295	79.176	1.00	41.05
3376	CD1	LEU 2	A 419	-103.204	-4.655	80.641	1.00	38.62
3377	CD2	LEU 2	A 419	-104.864	-3.955	78.871	1.00	41.03
3378	C	LEU 2	A 419	-101.870	-1.626	76.816	1.00	40.78
3379	0	LEU 2	A 419	-102.157	-0.536	77.303	1.00	40.62
3380	N	SER A	A 420	-100.884	-1.788	75.933	1.00	40.62
3381	CA	SER A	A 420	-100.010	-0.669	75.585	1.00	40.10
3382	CB	SER A	A 420	-98.646	-0.815	76.277	1.00	39.89
3383	OG	SER 2	A 420	-97.918	-1.939	75.806	1.00	37.82
3384	С	SER 2	A 420	-99.796	-0.432	74.105	1.00	40.54
3385	0	SER 2	A 420	-99.518	0.685	73.700	1.00	40.69
3386	N		A 421	-99.901	-1.479	73.302	1.00	41.40
3387	CA	CYS 2	A 421	-99.666	-1.371	71.862	1.00	42.61
3388	CB	CYS 2		-100.293	-2.554	71.128	1.00	42.55
3389	SG		A 421	-99.620	-4.145	71.597	1.00	43.99
3390	С		A 421	-100.183	-0.113	71.191	1.00	43.15
3391	0		A 421	-99.529	0.427	70.305		43.48
3392	N		A 422	-101.353	0.359	71.597	1.00	43.98
3393	CA	GLU 3		-101.996	1.426	70.843	1.00	44.84
3394	CB	GLU 3		-103.429	1.022	70.508	1.00	45.47
3395	CG	GLU 2		-103.726	1.045	69.036	1.00	48.80
3396	CD	GLU 2		-103.109	-0.147	68.344	1.00	
3397	OE1	GLU 2		-103.637	-1.271	68.535	1.00	54.91
3398	OE2	GLU 2		-102.100	0.039	67.627	1.00	53.96
3399	С	GLU 2		-102.050	2.752	71.539	1.00	44.63
3400	0		A 422	-102.714	3.669	71.062	1.00	44.84
3401	N		A 423	-101.379	2.863	72.673	1.00	44.63
3402	CA	LEU		-101.424	4.104	73.422	1.00	44.36
3403	CB	LEU A		-100.722	3.945	74.756	1.00	43.74
3404	CG	LEU A		-101.432	2.861	75.547	1.00	43.47
3405	CD1	LEU A			2.545	76.833	1.00	42.34
3406	CD2	LEU A		-102.885	3.275	75.831		45.13
3407	C	PEO 1	A 423	-100.839	5.240	72.609	1.00	44.45

FIGURE 3 BO

A	В	С	D	E		F	G		Н	1	J
3408	0	LEU	Α	423	-1	01.376	6.355	72	.594	1.00	44.82
3409	N	ASN	Α	424	-	99.760	4.937	71	.903	1.00	44.24
3410	CA	ASN	Α	424	-	99.068	5.917	71	.077	1.00	44.12
3411	CB	ASN	Α	424	-	98.281	6.898	71	.945	1.00	43.83
3412	CG	ASN	Α	424	-	98.116	8.260	71	.288	1.00	45.15
3413	OD1	ASN	Α	424	-	97.775	8.360	70	.105	1.00	45.08
3414	ND2	ASN	Α	424	-	98.376	9.320	72	.052	1.00	45.29
3415	C	ASN	Α	424	-	98.120	5.150	70	.179	1.00	43.86
3416	0	ASN	Α	424	-	96.910	5.190	70	.369	1.00	44.50
3417	И	PRO			-	98.689	4.421	69	.229	1.00	43.43
3418	CA	PRO	Α	425	-	97.934	3.584	68	.293	1.00	43.33
3419	CB	PRO				98.988	3.222		.240	1.00	43.27
3420	CG	PRO				00.102	4.181		.509	1.00	43.80
3421	CD	PRO				00.139	4.298		.002	1.00	43.48
3422	C	PRO				96.724	4.217		.616	1.00	42.94
3423	0	PRO				95.832	3.474		.223	1.00	42.64
3424	N	GLU				96.679	5.532		.465	1.00	42.90
3425	CA	GLU				95.533	6.133		.790	1.00	43.44
3426	CB	GLU		426		95.929	7.421		.051	1.00	44.34
3427	CG	GLU				94.800	8.077		.250	1.00	47.87
3428	CD	GLU				95.015	9.579		.003	1.00	52.11
3429	OE1	GLU				95.896	9.949		.193	1.00	54.48
3430	OE2	GLU				94.297	10.411		.610	1.00	53.42
3431	C	GLU				94.406	6.425		.767	1.00	42.60
3432	0	GLU				93.236	6.290		.432	1.00	42.84
3433	N	ARG				94.776	6.806		.981	1.00	41.37
3434	CA	ARG				93.828	7.233		.983	1.00	40.61
3435 3436	CB	ARG				94.457	8.364		.802	1.00	40.83
3436	CG	ARG ARG		427		94.040	9.568		.653	1.00	40.73
3438	NE	ARG				93.956	10.762		.930	1.00	42.68
3439	CZ	ARG				93.810	11.543		.997	1.00	41.39
3440	NH1	ARG				94.599	12.605		.148	1.00	39.72
3441	NH2	ARG				92.885	11.276		.907	1.00	40.19
3442	C	ARG				93.404	6.120		.925	1.00	39.89
3443	0	ARG				92.274	6.089		.397	1.00	39.68
3444	N	CYS				94.319	5.199		.185	1.00	39.15
3445	CA	CYS				94.094	4.180		.189	1.00	38.16
3446	CB	CYS		428		95.041	4.454		.350	1.00	38.11
3447	SG	CYS	А	428		94.567	5.971		.198	1.00	39.02
3448	C	CYS				94.228	2.757		.677	1.00	37.54
3449	0	CYS				95.310	2.326	71	.275	1.00	37.47
3450	N	GLN	Α	429	-	93.112	2.026	71	.701	1.00	36.94
3451	CA	GLN	Α	429	-	93.058	0.639		.217	1.00	35.60
3452	CB	GLN	Α	429	-	92.486	0.589	69	.796	1.00	35.44
3453	CG	GLN	Α	429	-	93.417	1.184	68	.724	1.00	35.62
3454	CD	GLN		429		92.719	1.477		.396	1.00	38.22
3455	OE1	GLN		429		93.227	2.261		.592	1.00	40.96
3456	NE2	GLN		429		91.551	0.881		.176	1.00	38.12
3457	С	GLN				92.209	-0.207		.154	1.00	35.00
3458	0	GLN	Α	429	-	91.854	-1.355	71	.853	1.00	34.86

FIGURE 3 BP

A	В	С	D	E		F	G	H	I	J
3459	N	TVP	A	430	-91.	979	0.358	73.30	1 00	33.75
3460	CA			430	-91.		-0.352	74.23		
3461	CB			430	-89.		0.064	74.03		
3462	CG			430	-88.		-0.952	74.54		
3463	CD1			430	-88.		-1.136	75.91		
3464	CE1	TYR			-87.		-2.055	76.37		
3465	CZ			430	-86.		-2.823	75.47		
3466	OH			430	-85.		-3.748	75.92		
3467	CE2			430	-86.		-2.669	74.13		
3468	CD2	TYR			-87.		-1.743	73.67		
							-0.001			
3469	C			430	-91.			75.61		
3470	0			430	-91.		1.050	76.11		
3471	N	TYR			-92.		-0.893	76.25		
3472	CA	TYR			-92.		-0.577	77.56		
3473	CB	TYR			-94.		-0.733	77.53		
3474	CG	TYR			-95.		0.337	76.83		
3475	CD1	TYR			-95.		1.422	77.54		
3476	CE1	TYR			-96.		2.407	76.93		
3477	CZ			431	-96.		2.329	75.61		
3478	OH	TYR			-97.		3.326	75.06		
3479	CE2	TYR			-96.		1.250	74.85		
3480	CD2	TYR			-95.		0.250	75.48		
3481	C	TYR			-92.		-1.480	78.66		
3482	0			431	-91.		-2.624	78.43		
3483	N			432	-92.	306	-0.945	79.87		
3484	CA			432	-92.		-1.718	81.07		
3485	CB			432	-90.		-1.434	81.74		
3486	OG			432	-90.		-0.102	82.17		
3487	С			432	-93.		-1.288	81.96		
3488	0			432	-93.		-0.290	81.70		
3489	N	VAL			-93.		-2.028	83.04		
3490	CA	VAL			-94.		-1.748	83.90		
3491	CB	VAL			-95.		-2.618	83.50		32.40
3492	CG1			433	-95.		-4.070	83.90		
3493	CG2	VAL			-97.		-2.068	84.12		
3494	C	VAL			-94.		-1.963	85.36		
3495	0	VAL	Α	433	-93.		-2.701	85.73		
3496	N	SER	Α	434	-95.		-1.262	86.20	04 1.00	
3497	CA	SER	Α	434	-94.	922	-1.386	87.63	39 1.00	34.71
3498	CB	SER	А	434	-94.	116	-0.239	88.21		
3499	OG	SER	Α	434	-93.	846	-0.483	89.58	34 1.00	36.01
3500	C	SER	Α	434	-96.	338	-1.348	88.1	72 1.00	35.48
3501	0	SER	Α	434	-97.	036	-0.342	88.04	19 1.00	35.33
3502	N	PHE	Α	435	-96.	769	-2.459	88.74	14 1.00	36.86
3503	CA	PHE	Α	435	-98.	107	-2.563	89.30	2 1.00	38.49
3504	CB			435	-98.		-3.995	89.16		
3505	CG	PHE	Α	435	-99.	027	-4.364	87.76	3 1.00	38.43
3506	CD1	PHE	Α	435	-98.	122	-4.949	86.89	96 1.00	37.43
3507	CE1	PHE	Α	435	-98.	504	-5.282	85.59	94 1.00	37.26
3508	CZ	PHE	Α	435	-99.	785	-5.029	85.16	59 1.00	37.65
3509	CE2	PHE	Α	435	-100.	696	-4.457	86.02	27 1.00	37.28

FIGURE 3 BQ

A	В	С	D	Е		F	(3	F	i	1	1	J
3510	CD2	PHE	Α	435	-100	.321	-4.	125	87.	313	1.	.00	37.90
3511	С	PHE	Α	435	-98	.106	-2.	173	90.	765	1.	.00	40.00
3512	0	PHE			-97	.077	-2.:	255	91.	437	1.	.00	40.12
3513	N	SER				.263	-1.			258			41.50
3514	CA	SER	Α	436	-99	.396	-1.	420	92.	668	1.	.00	42.84
3515	CB	SER				.668	-0.			945			42.51
3516	OG	SER				.832	-1.			751		00	42.16
3517	C	SER				.401	-2.			418		00	44.01
3518	ō	SER				.467	-3			803		00	44.38
3519	N	LYS	Α	437	-99	.349	-2.	673	94.	742	1.	.00	45.22
3520	CA	LYS			-99	.231	-3.	868	95.	563	1.	.00	46.58
3521	CB	LYS				.519	-3.			022		.00	47.47
3522	CG	LYS			-98	.703	-4.		98.	032		.00	49.42
3523	CD	LYS	Α	437	-97	.423	-3.		98.	403	1.	.00	53.36
3524	CE	LYS				.292	-3.			451			54.76
3525	NZ	LYS	Α	437	-96	.001	-5.	369	97.	525	1.	.00	55.80
3526	С	LYS				.119	-5.			119		00	46.93
3527	0	LYS	Α	437	-99	.677	-6.	169	95.	071		.00	46.90
3528	N	GLU	Α	438	-101	.372	-4.	706	94.	805	1.	.00	47.53
3529	CA	GLU	Α	438	-102	.327	-5.	732		398	1.	.00	47.90
3530	CB	GLU	Α	438		.535	-5.	759	95.	349	1.	.00	48.13
3531	CG	GLU				.670	-7.			205		.00	50.29
3532	CD	GLU	Α	438	-103	.291	-6.	804	97.	667	1.	.00	54.05
3533	OE1	GLU				.553	-5.		97.	971		.00	54.69
3534	OE2	GLU	Α	438	-103	.741	-7.	613	98.	523	1.	.00	55.47
3535	C	GLU	Α	438	-102	.787	-5.	599	92.	938	1.	.00	47.84
3536	0	GLU	Α	438	-103	.721	-6.3	277	92.	513	1.	.00	47.88
3537	N	ALA	Α	439	-102	.131	-4.	728	92.	179	1.	.00	47.50
3538	CA	ALA	Α	439	-102	.429	-4.	550	90.	755	1.	.00	47.07
3539	CB	ALA	Α	439	-102	.587	-5.	892	90.	059	1.	.00	46.85
3540	С	ALA	Α	439	-103	.625	-3.	638	90.	459	1.	.00	47.11
3541	0	ALA	Α	439	-104	.098	-3.	563	89.	317	1.	.00	46.76
3542	N	LYS	Α	440	-104	.113	-2.	942	91.	478	1.	.00	46.83
3543	CA	LYS	Α	440	-105	.192	-1.	995	91.	258	1.	.00	46.68
3544	CB	LYS	Α	440	-105	.515	-1.3	250	92.	544	1.	.00	47.03
3545	CG	LYS	Α	440	-106	.782	-1.	688	93.	236	1.	.00	48.96
3546	CD	LYS	Α	440	-107	.510	-0.	456	93.	794	1.	.00	51.04
3547	CE	LYS	Α	440	-108	.953	-0.	764	94.	181	1.	.00	52.01
3548	NZ	LYS	Α	440	-109	.071	-1.3	200	95.	609	1.	.00	52.86
3549	C	LYS	Α	440		.740	-0.	996	90.	203	1.	.00	46.22
3550	0	LYS	Α	440	-105	.527	-0.	519	89.	390	1.	.00	46.19
3551	N	TYR	Α	441	-103	.456	-0.	665	90.	224	1.	.00	45.65
3552	CA	TYR	Α	441	-102	.930	0.:	273	89.	247	1.	.00	44.75
3553	CB	TYR	Α	441	-102	.638	1.	618	89.	887	1.	.00	45.05
3554	CG	TYR	Α	441	-103	.757	2.	132	90.	719	1.	.00	46.12
3555	CD1	TYR				.946		675		800		00	47.00
3556	CE1	TYR	Α	441	-104	.978	2.	143	92.	768	1.	.00	49.02
3557	CZ	TYR	Α	441	-105	.840	3.	081	92.	239	1.	.00	48.21
3558	OH	TYR	Α	441	-106	.879		553	92.	992	1.	.00	50.11
3559	CE2	TYR				.666		551		970		.00	
3560	CD2	TYR	Α	441	-104	.634	3.	074	90.	216	1.	.00	47.79

FIGURE 3 BR

A	В	С	D	E	F	G	Н	I	J
3561	С	TYR	Α	441	-101.647	-0.214	88.649	1.00	43.69
3562	0	TYR	Α	441	-101.063	-1.199	89.091	1.00	43.95
3563	N	TYR	Α	442	-101.201	0.510	87.641	1.00	
3564	CA			442	-99.931	0.216	87.042	1.00	41.07
3565	CB			442	-100.000	-1.018	86.132		40.75
3566	CG			442	-100.855	-0.913	84.889	1.00	40.36
3567	CD1			442	-102.204	-1.254	84.910	1.00	41.27
3568	CE1			442	-102.980	-1.178	83.765	1.00	41.19
3569	CZ	TYR			-102.399	-0.780	82.579	1.00	41.57
3570	OH			442	-103.143	-0.689	81.413	1.00	43.14
3571	CE2			442	-101.067	-0.462	82.544	1.00	40.67
3572	CD2			442	-100.305	-0.540	83.687	1.00	39.41
3573	C			442	-99.388	1.449	86.348	1.00	40.30
3574	0			442	-100.133	2.210	85.738	1.00	40.22
3575	N			443	-98.094	1.680	86.538	1.00	39.41
3576 3577	CA			443	-97.395 -96.279	2.747	85.853 86.727	1.00	38.70
3578	CB	GLN		443	-96.279	3.327 4.082	85.896	1.00	38.39
3578	CG CD	GLN		443	-93.240	4.622	86.703	1.00	38.84
3580	OE1	GLN		443	-93.503	3.910	87.518	1.00	41.05
3581	NE2			443	-93.766	5.891	86.485	1.00	41.05
3582	C	GLN		443	-96.764	2.131	84.610	1.00	38.01
3583	0			443	-96.125	1.095	84.700	1.00	37.78
3584	N	LEU		444	-96.940	2.771	83.467	1.00	37.74
3585	CA	LEU			-96.355	2.296	82.222	1.00	37.77
3586	CB	LEU		444	-97.366	2.380	81.085	1.00	37.13
3587	CG	LEU		444	-98.305	1.201	80.831	1.00	37.70
3588	CD1	LEU		444	-97.554	-0.119	80.598	1.00	36.82
3589	CD2	LEU	А	444	-99.127	1.538	79.619	1.00	37.81
3590	С	LEU	Α	444	-95.149	3.134	81.840	1.00	37.67
3591	0	LEU	Α	444	-95.249	4.354	81.787	1.00	37.66
3592	N	ARG	Α	445	-94.021	2.481	81.569	1.00	37.52
3593	CA	ARG	Α	445	-92.847	3.195	81.086	1.00	38.14
3594	CB	ARG	Α	445	-91.595	2.893	81.910	1.00	38.71
3595	CG	ARG	Α	445	-90.476	3.904	81.626	1.00	41.69
3596	CD	ARG		445	-89.035	3.355	81.580	1.00	46.39
3597	NE	ARG		445	-88.890	2.061	82.239	1.00	50.92
3598	CZ	ARG		445	-87.728	1.532	82.600	1.00	53.29
3599	NH1	ARG		445	-87.692	0.347	83.187	1.00	54.23
3600	NH2	ARG		445	-86.597	2.191	82.378	1.00	56.43
3601	С	ARG		445	-92.546	2.861	79.636	1.00	37.56
3602	0	ARG		445	-92.251	1.711	79.310	1.00	37.23
3603	N	CYS		446	-92.611	3.876	78.780	1.00	37.08
3604	CA	CYS		446	-92.279	3.741	77.367	1.00	37.15
3605	CB	CYS		446	-93.322 -92.785	4.463 5.337	76.533 75.036	1.00	40.87
3606 3607	SG C	CYS		446 446	-92.785	4.336	77.132	1.00	36.37
3608	0	CYS		446	-90.898	5.485	77.486	1.00	36.82
3609	N	SER		447	-89.998	3.563	76.525	1.00	35.37
3610	CA	SER		447	-88.610	3.991	76.323	1.00	34.30
3611	CB	SER			-87.654	2.890	76.804		34.46
5511		CLIC	-1	. 1 /	3,.034	2.050	, 0.004	1.00	51.40

FIGURE 3 BS

A	В	С	D	E	F	G	H	I	J
3612	OG	SER	Δ	447	-87.701	2.732	78.204	1 00	34.85
3613	C	SER			-88.239	4.319	74.915	1.00	33.43
3614	Ö	SER			-87.094	4.618	74.643	1.00	33.57
3615	N	GLY			-89.182	4.234	73.992	1.00	32.46
3616	CA	GLY			-88.852	4.502	72.609	1.00	31.79
3617	C	GLY			-89.927	4.020	71.674	1.00	31.31
3618	ō	GLY			-90.811	3.283	72.087	1.00	31.10
3619	N	PRO			-89.814	4.362	70.396	1.00	31.28
3620	CA	PRO			-88.640	5.032	69.849	1.00	31.20
3621	CB	PRO			-88.794	4.827	68.339	1.00	30.61
3622	CG	PRO			-90.184	4.583	68.108	1.00	31.03
3623	CD	PRO			-90.876	4.213	69.391	1.00	30.97
3624	C	PRO			-88.635	6.528	70.115	1.00	31.96
3625	0	PRO			-87.680	7.179	69.722	1.00	32.18
3626	N	GLY			-89.682	7.061	70.738	1.00	32.70
3627	CA	GLY	А	450	-89.753	8.483	71.013	1.00	32.98
3628	C	GLY			-89.202	8.746	72.390	1.00	33.64
3629	ō	GLY			-88.690	7.825	73.035	1.00	34.15
3630	N	LEU	Α	451	-89.290	9.995	72.836	1.00	33.79
3631	CA	LEU	Α	451	-88.827	10.382	74.155	1.00	34.03
3632	CB	LEU			-89.036	11.877	74.370	1.00	34.31
3633	CG	LEU	Α	451	-87.992	12.788	73.719	1.00	35.35
3634	CD1	LEU			-86.969	12.001	72.895	1.00	35.84
3635	CD2	LEU			-88.668	13.841	72.885	1.00	35.06
3636	C	LEU	Α	451	-89.641	9.597	75.152	1.00	34.16
3637	0	LEU	Α	451	-90.822	9.376	74.945	1.00	32.92
3638	N	PRO	Α	452	-89.006	9.168	76.234	1.00	34.62
3639	CA	PRO			-89.692	8.365	77.239	1.00	35.26
3640	CB	PRO	Α	452	-88.680	8.295	78.378	1.00	35.14
3641	CG	PRO	Α	452	-87.367	8.452	77.700	1.00	35.39
3642	CD	PRO	Α	452	-87.601	9.421	76.585	1.00	34.60
3643	C	PRO	Α	452	-90.976	9.037	77.703	1.00	36.29
3644	0	PRO	Α	452	-91.033	10.267	77.861	1.00	35.67
3645	N	LEU	Α	453	-91.990	8.205	77.942	1.00	37.07
3646	CA	LEU	Α	453	-93.302	8.660	78.367	1.00	37.52
3647	CB	LEU	Α	453	-94.288	8.560	77.197	1.00	37.81
3648	CG	LEU	Α	453	-95.788	8.610	77.501	1.00	39.87
3649	CD1	LEU	Α	453	-96.222	7.270	78.100	1.00	42.12
3650	CD2	LEU	А	453	-96.606	8.902	76.249	1.00	40.21
3651	C	LEU	Α	453	-93.766	7.839	79.557	1.00	37.68
3652	0	LEU	Α	453	-93.807	6.603	79.495	1.00	38.37
3653	N	TYR			-94.105	8.512	80.650	1.00	37.49
3654	CA	TYR			-94.533	7.817	81.851	1.00	38.10
3655	CB	TYR			-93.640	8.189	83.048	1.00	38.22
3656	CG	TYR			-92.176	7.767	82.915	1.00	37.53
3657	CD1	TYR			-91.644	6.727	83.688	1.00	38.56
3658	CE1	TYR			-90.297	6.357	83.572	1.00	37.18
3659	CZ	TYR			-89.480	7.027	82.664	1.00	37.23
3660	OH	TYR			-88.158	6.677	82.510	1.00	35.84
3661	CE2	TYR			-89.987	8.050	81.896	1.00	37.06
3662	CD2	TYR	Α	454	-91.324	8.415	82.027	1.00	37.67

FIGURE 3 BT

A	В	С	D	E	F	G	Н	I	J
3663	С	TYR	А	454	-96.006	8.114	82.138	1.00	38.94
3664	0	TYR			-96.412	9.285	82.250	1.00	39.17
3665	N	THR			-96.809	7.053	82.236	1.00	39.20
3666	CA	THR			-98.254	7.185	82.439	1.00	39.22
3667	CB	THR			-99.019	6.835	81.162	1.00	39.25
3668	OG1	THR			-98.643	5.521	80.742	1.00	39.10
3669	CG2	THR		455	-98.623	7.722	80.004	1.00	38.59
3670	C	THR		455	-98.765	6.266	83.525	1.00	39.36
3671	ŏ	THR		455	-98.164	5.233	83.805	1.00	39.52
3672	N	LEU			-99.898	6.633	84.117	1.00	39.82
3673	CA	LEU			-100.491	5.858	85.214	1.00	40.25
3674	CB	LEU		456	-100.579	6.720	86.469	1.00	39.82
3675	CG	LEU			-100.467	6.139	87.885	1.00	40.98
3676	CD1	LEU		456	-101.771	6.252	88.653	1.00	41.57
3677	CD2	LEU		456	-99.910	4.726	87.932	1.00	40.08
3678	C	LEU		456	-101.868	5.350	84.786	1.00	40.38
3679	ŏ	LEU		456	-102.603	6.048	84.108	1.00	39.68
3680	N	HIS		457	-102.194	4.119	85.158	1.00	41.17
3681	CA	HIS		457	-103.444	3.502	84.730	1.00	41.91
3682	CB	HIS		457	-103.180	2.582	83.539	1.00	41.62
3683	CG	HIS		457	-102.392	3.219	82.446	1.00	40.45
3684	ND1	HIS		457	-102.923	3.478	81.203	1.00	40.12
3685	CE1	HIS			-102.000	4.042	80.444	1.00	40.89
3686	NE2	HIS			-100.887	4.148	81.149	1.00	39.27
3687	CD2	HIS		457	-101.105	3.634	82.401	1.00	39.96
3688	C	HIS		457	-104.079	2.657	85.822	1.00	42.78
3689	ŏ	HIS		457	-103.378	2.136	86.677	1.00	43.02
3690	N	SER		458	-105.402	2.505	85.786	1.00	43.95
3691	CA	SER		458	-106.073	1.632	86.748	1.00	45.16
3692	CB	SER			-107.379	2.246	87.258	1.00	45.17
3693	OG	SER			-108.239	2.594	86.189	1.00	46.02
3694	C	SER			-106.323	0.289	86.073	1.00	46.01
3695	0	SER			-106.669	0.236	84.896	1.00	46.26
3696	N	SER			-106.152	-0.801	86.803	1.00	46.78
3697	CA	SER			-106.269	-2.091	86.161		48.21
3698	CB	SER			-105.459	-3.138	86.918	1.00	48.17
3699	OG	SER		459	-106.311	-3.969	87.687	1.00	50.02
3700	C	SER		459	-107.720	-2.557	85.981	1.00	48.79
3701	ō	SER		459	-107.998	-3.424	85.163	1.00	48.63
3702	N	VAL			-108.645	-1.979	86.736	1.00	49.68
3703	CA	VAL		460	-110.037	-2.418	86.653	1.00	50.36
3704	CB	VAL		460	-110.947	-1.659	87.648	1.00	50.46
3705	CG1	VAL		460	-111.091	-0.184	87.247	1.00	50.00
3706	CG2	VAL		460	-112.299	-2.353	87.759	1.00	50.44
3707	C	VAL			-110.590	-2.367	85.222	1.00	50.55
3708	ō	VAL		460	-111.196	-3.329	84.753	1.00	50.43
3709	N	ASN		461	-110.347	-1.263	84.525	1.00	51.08
3710	CA	ASN		461	-110.790	-1.098	83.141	1.00	51.75
3711	CB	ASN		461	-111.875	-0.044	83.087	1.00	52.15
3712	CG	ASN		461	-111.562	1.131	83.977		52.89
3713	OD1	ASN	Α	461	-110.392	1.480	84.174		54.11

FIGURE 3 BU

3714 ND2	A	В	С	D	E		1	?		G		Н		I	J
3715 C	3714	ND2	ASM	Δ.	461	_	112 (501	1	738	9	4 544	1	00	53 79
1717 N															
1711 N															
3718 CA ASP A 462 -107.239 -0.498 1.967 1.00 51.68 3719 CB ASP A 462 -106.686 -1.472 80.893 1.00 51.24 3721 ODI ASP A 462 -107.424 -2.872 81.454 1.00 50.98 3722 OD2 ASP A 462 -107.424 -3.789 80.942 1.00 49.36 3723 C ASP A 462 -107.456 1.101 80.150 1.00 50.15 3724 O ASP A 462 -107.266 1.101 80.150 1.00 50.16 3725 N LYS A 463 -108.046 3.251 81.685 82.165 1.00 51.73 3728 CG LYS A 463 -109.361 3.859 82.195 1.00 52.12 3729 CD LYS A 463 -109.161 4.843 83.354 1.00 50.60 3730 CE LYS A 463 -101.00 6.079 83.170 1.00 50.60 3731 N LYS A 463 -106.554 4.066															
1719 CB															
3720 CG ASP A 462 -106.742 -2.872 81.544 1.00 50.98 3721 ODI ASP A 462 -107.424 -3.789 80.942 1.00 49.36 3722 ODZ ASP A 462 -107.961 1.010 89.342 1.00 50.64 3723 C ASP A 462 -107.266 1.101 80.150 1.00 51.78 3726 CA LYS A 463 -108.064 3.251 81.685 82.165 1.00 51.73 3728 CG LYS A 463 -108.064 3.251 81.686 1.00 51.61 3728 CG LYS A 463 -109.361 3.859 82.195 1.00 52.12 3730 CE LYS A 463 -109.461 7.311 83.310 1.00 56.48 3731 NZ LYS A 463 -106.854 4.066 82.151 1.00 50.60 3732 C LYS A 463 -106.854 4.066 82.151 1.00 50.60 3734 N GLY A 464 -105.315 5.873															
3721 ODI ASP A 462 -107.424 -3.789 80.942 1.00 9.936 3722 ODZ ASP A 462 -107.424 -3.789 80.942 1.00 50.48 3723 C ASP A 462 -107.451 0.923 81.349 1.00 51.78 3725 N LYS A 463 -107.266 1.101 80.150 1.00 52.32 3726 CA LYS A 463 -107.868 1.885 82.165 1.00 51.61 3727 CB LYS A 463 -109.646 3.251 81.666 1.00 51.61 3728 CG LYS A 463 -109.216 4.833 83.354 1.00 53.80 3730 CE LYS A 463 -110.00 6.079 83.170 1.00 54.83 3731 NZ LYS A 463 -110.02 8.069 83.311 1.00 56.00 3732 C LYS A 463 -106.854 4.066 82.151 1.00 51.09 3733 O LYS A 463 -106.458 5.043 81.327															
3722 OD2 ASP A 462 -107.969 3.149 82.421 1.00 50.64 3723 C ASP A 462 -107.266 1.101 80.150 1.00 52.32 3726 OA ASP A 462 -107.266 1.101 80.150 1.00 52.32 3726 CA LYS A 463 -108.046 3.251 81.686 1.00 51.63 3727 CB LYS A 463 -109.361 3.859 82.195 1.00 52.12 3728 CG LYS A 463 -109.216 4.843 83.354 1.00 53.60 3730 CE LYS A 463 -109.461 7.311 83.813 1.00 56.48 3731 LYS A 463 -109.865 4.066 82.151 1.00 50.60 3732 C LYS A 463 -106.854 4.066 82.151 1.00 50.60 3734 N GLY A 464 -105.655 4.066 82.151 1.00 50.60 3735 CA GLY A 464 -105.315 5.873 81.663 1.00 50.60 <td></td>															
3723 C ASP A 462 -107.451 0.923 81.349 1.00 51.78 3724 O ASP A 462 -107.266 1.101 80.150 1.00 52.32 3725 N LYS A 463 -107.868 1.885 82.165 1.00 51.73 3727 CB LYS A 463 -109.216 4.833 83.354 1.00 51.61 3728 CG LYS A 463 -109.216 4.843 83.354 1.00 53.80 3730 CE LYS A 463 -109.461 7.311 83.813 1.00 57.93 3731 NZ LYS A 463 -109.461 7.311 83.813 1.00 56.68 3732 CD LYS A 463 -106.854 4.066 82.5151 1.00 56.68 3731 NZ LYS A 463 -106.292 3.796 83.217 1.00 50.60 3734 N GLY A 464 -106.458 5.043 81.342 1.00 50.60 3735 C GLY A 464 -105.686 7.064 82.518															
3724 O ASP A 462 -107.266 1.101 80.150 1.00 52.32 3725 N LYS A 463 -107.868 1.885 82.165 1.00 51.36 3727 CB LYS A 463 -108.046 3.251 81.686 1.00 51.61 3728 CG LYS A 463 -109.216 4.843 83.354 1.00 52.12 3730 CE LYS A 463 -109.216 4.843 83.354 1.00 53.80 3731 NZ LYS A 463 -109.461 7.311 83.813 1.00 56.48 3731 NZ LYS A 463 -100.82 8.604 83.381 1.00 56.60 3732 C LYS A 463 -106.854 4.066 82.151 1.00 50.60 3733 O LYS A 463 -106.854 4.066 82.518 1.00 50.60 3733 O LYS A 463 -106.854 4.066 82.518 1.00 50.60 3734 N GLY A 464 -105.315 5.873 81.663 <t< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></t<>															
3725 N LXS A 63 -107.868 1.885 82.165 1.00 51.73 3726 CA LYS A 463 -109.046 3.251 81.686 1.00 51.73 3727 CB LYS A 463 -109.216 3.859 82.195 1.00 52.12 3728 CD LYS A 463 -101.00 6.079 83.170 1.00 53.80 3731 NZ LYS A 463 -109.461 7.311 83.813 1.00 57.93 3732 C LYS A 463 -106.854 4.066 82.151 1.00 51.09 3733 O LYS A 463 -106.854 4.066 82.151 1.00 50.69 3734 N GLY A 464 -105.458 5.043 81.342 1.00 50.66 3735 CA GLY A 464 -105.686 7.064 82.518 1.00 50.48 3737															
3726 CA LYS A 63 -108.046 3.251 81.686 1.00 51.61 3727 CB LYS A 63 -109.216 4.843 83.354 1.00 521.81 3728 CG LYS A 463 -109.216 4.843 83.354 1.00 53.80 3720 CE LYS A 463 -109.461 7.311 83.813 1.00 55.80 3731 NZ LYS A 463 -106.854 4.066 82.151 1.00 50.60 3733 O LYS A 463 -106.292 3.796 83.217 1.00 50.60 3733 O LYS A 464 -106.458 5.033 81.321 1.00 50.60 3734 N GLY A 464 -105.315 5.873 81.663 1.00 50.43 3736 C GLY A 464 -105.316 5.873 81.603 1.00 50.43 3737 <td< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td<>															
3727 CB LXS A 463 -109.361 3.859 82.195 1.00 52.12 3728 CG LYS A 463 -109.216 4.843 83.354 1.00 52.12 3729 CD LYS A 463 -101.00 6.079 83.170 1.00 56.48 3731 NZ LYS A 463 -110.082 8.604 83.381 1.00 56.63 3732 C LYS A 463 -106.854 4.066 82.151 1.00 50.66 3733 O LYS A 463 -106.854 4.066 82.151 1.00 50.66 3734 N GLY A 464 -106.458 5.043 81.342 1.00 50.66 3735 CA GLY A 464 -105.686 7.064 82.518 1.00 50.66 3736 C GLY A 464 -105.686 7.064 82.518 1.00 50.28 3737 O GLY A 464 -105.686 7.064 82.518 1.00 50.43 3738 N LEU A 465 -105.637 8.055 84.743 <t< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></t<>															
3728 CG LYS A 63 -109.216 A.843 83.544 1.00 53.80 3730 CE LYS A 63 -110.100 6.079 83.170 1.00 53.80 3730 CE LYS A 463 -110.082 8.604 83.381 1.00 57.93 3731 NZ LYS A 463 -106.854 4.066 82.151 1.00 50.60 3733 O LYS A 463 -106.854 4.066 82.151 1.00 50.60 3733 O LYS A 463 -106.292 3.796 83.207 1.00 50.60 3734 N GLY A 464 -105.315 5.873 81.342 1.00 50.60 3736 C GLY A 464 -105.315 5.873 81.663 1.00 50.43 3737 O GLY A 464 -105.315 5.873 81.663 1.00 50.43 3737 O GLY A 465 -105.217 6.366 7.622 80.203															
3729 CD LXS A 63 -110.100 6.079 83.170 1.00 56.48 3731 CE LXS A 463 -109.461 7.311 83.813 1.00 57.93 3732 C LXS A 463 -110.082 8.604 83.381 1.00 58.60 3733 O LXS A 463 -106.292 3.796 83.217 1.00 50.60 3734 N GLY A 464 -106.458 5.043 81.342 1.00 50.66 3735 C GLY A 464 -105.686 7.044 82.518 1.00 50.66 3736 C GLY A 464 -105.686 7.044 82.518 1.00 50.28 3737 O GLY A 465 -105.370 6.978 83.803 1.00 50.43 3739 CA LEU A 465 -105.777 6.62 86.155 1.00 49.71 3740 CB <td< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td<>															
3730 CE LXS A 63 -109.461 7.311 83.813 1.00 57.93 3731 NZ LXS A 63 -110.082 8.604 83.381 1.00 58.70 3732 C LYS A 463 -106.854 4.066 82.151 1.00 51.09 3733 O LYS A 463 -106.854 4.066 82.151 1.00 51.09 3734 N GLY A 464 -106.458 5.073 81.342 1.00 50.68 3737 O GLY A 464 -105.315 5.873 81.342 1.00 50.48 3737 O GLY A 464 -106.246 80.38 82.023 1.00 50.43 3738 N LEU A 465 -105.370 6.978 83.803 1.00 90.43 3740 CB LEU A 465 -105.737 6.958 84.731 1.00 90.27 3741 CD															
3731 NZ LXS A 63 -110.082 8.604 83.381 1.00 58.60 3732 C LXS A 463 -106.554 4.066 82.151 1.00 51.09 3733 O LXS A 464 -106.292 3.796 82.151 1.00 50.60 3735 CA GLY A 464 -105.315 5.873 81.663 1.00 50.66 3737 O GLY A 464 -105.686 7.064 82.181 1.00 50.28 3738 N LEU A 465 -105.370 6.978 83.803 1.00 50.28 3739 CA LEU A 465 -105.370 6.978 83.803 1.00 94.98 3740 CB LEU A 465 -105.777 6.626 86.751 1.00 94.97 3742 CDI LEU A 465 -107.779 6.366 86.731 1.00 94.97 3743 <t< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></t<>															
3732 C LXS A 63 -106.854 4.066 82.151 1.00 51.09 3733 N GLY A 464 -106.292 3.796 83.217 1.00 50.60 3735 CA GLY A 464 -105.315 5.873 81.342 1.00 50.60 3736 C GLY A 464 -105.686 7.064 82.518 1.00 50.43 3737 O GLY A 464 -105.216 8.038 82.518 1.00 50.43 3738 N LEU A 65 -105.377 6.978 82.023 1.00 50.43 3739 CA LEU A 65 -105.637 8.058 83.403 1.00 9.98 3740 CB LEU A 65 -105.737 6.978 83.131 1.00 9.96 3742 CD LEU A 65 -105.789 6.366 86.731 1.00 9.96 3745 C															
3733 O LXS A 463 -106.292 3.796 83.217 1.00 50.60 3734 N GLY A 464 -106.458 5.043 81.342 1.00 50.66 3735 CA GLY A 464 -105.315 5.873 81.663 1.00 50.48 3737 O GLY A 464 -106.246 8.038 82.023 1.00 50.48 3738 N LEU A 65 -105.370 6.978 83.803 1.00 49.88 3740 CB LEU A 65 -105.370 6.978 83.803 1.00 49.83 3741 CG LEU A 65 -105.779 6.366 86.751 1.00 90.97 3742 CDI LEU A 65 -107.786 6.488 82.531 1.00 50.27 3742 CDI LEU A 65 -105.78															
3734 N GLY A 464 -106.458 5.043 81.342 1.00 50.66 3735 C GLY A 464 -105.315 5.873 81.663 1.00 50.48 3737 O GLY A 464 -105.686 7.064 82.518 1.00 50.48 3737 O GLY A 464 -106.246 80.38 82.031 1.00 50.43 3738 N LEU A 465 -105.637 6.978 83.803 1.00 49.88 3739 CA LEU A 465 -105.637 8.055 84.743 1.00 49.61 3740 CB LEU A 465 -105.779 6.366 86.155 1.00 49.81 3742 CDI LEU A 465 -105.779 6.366 86.731 1.00 50.27 3745 C LEU A 465 -107.180 6.079 86.222 1.00 51.27 3745 C LEU A 465 -107.180 6.079 86.222 1.00 51.27 3746 N ARGA 466 -102.930 10.524 83.667 <t< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></t<>															
3735 CA GLY A 464 -105.315 5.873 81.663 1.00 50.48 3736 C GLY A 464 -105.686 7.064 82.518 1.00 50.28 3737 O GLY A 464 -105.246 8.038 82.023 1.00 50.48 3738 N LEU A 465 -105.377 8.055 84.743 1.00 49.61 3740 CB LEU A 465 -105.217 7.662 86.515 1.00 49.71 3742 CD LEU A 465 -105.779 6.366 86.731 1.00 50.27 3742 CD LEU A 465 -105.786 6.488 88.253 1.00 50.27 3743 CD LEU A 465 -107.180 6.079 86.222 1.00 50.27 3744 C LEU A 465 -107.180 6.079 86.222 1.00 50.27 3743 CD LEU A 465 -107.586 6.488 88.253 1.00 51.84 3745 O LEU A 465 -104.979 9.355 84.231															
3736 C GLY A 464 -105.686 7.064 82.518 1.00 50.28 3737 O GLY A 464 -105.246 8.038 82.023 1.00 50.28 3738 N LEU A 465 -105.370 6.978 83.803 1.00 49.88 3739 CA LEU A 465 -105.377 7.662 86.155 1.00 49.71 3741 CG LEU A 465 -105.779 6.366 86.731 1.00 50.27 3742 CDI LEU A 465 -107.180 6.079 86.222 1.00 51.27 3743 CD LEU A 465 -107.180 6.079 86.222 1.00 19.71 3744 C LEU A 465 -105.589 10.412 84.341 1.00 49.57 3746 N ARGA 466 -102.5589 10.412 84.341 1.00 49.57 3749															
3737 O GLY A 464 -106.246 8.038 82.023 1.00 50.43 3738 N LEU A 465 -105.637 8.055 84.743 1.00 49.61 3740 CB LEU A 465 -105.637 8.055 84.743 1.00 49.61 3741 CG LEU A 465 -105.779 6.366 86.731 1.00 50.27 3742 CD1 LEU A 465 -105.786 6.448 88.253 1.00 51.84 3743 CD2 LEU A 465 -107.180 6.079 86.222 1.00 51.27 3744 C LEU A 465 -107.180 6.079 86.222 1.00 51.27 3743 CD LEU A 465 -104.947 9.355 84.351 1.00 49.30 3745 O LEU A 465 -103.655 9.296 84.025 1.00 47.93 3747 CA ARG A 466 -102.393 10.524 83.667 1.00 47.93<															
3738 N LEU A 465 -105.370 6.978 83.803 1.00 49.88 3739 CA LEU A 465 -105.637 8.055 84.743 1.00 49.61 3740 CB LEU A 465 -105.217 7.662 86.155 1.00 49.71 3741 CG LEU A 465 -105.779 6.366 86.731 1.00 50.27 3742 CDI LEU A 465 -105.786 6.448 88.253 1.00 51.27 3743 CD2 LEU A 465 -107.180 6.079 86.222 1.00 51.27 3744 C LEU A 465 -104.947 9.355 84.351 1.00 49.57 3745 O LEU A 465 -104.947 9.355 84.302 1.00 93.00 3744 C LEU A 465 -105.589 10.412 84.341 1.00 49.95 3746 N ARG A 466 -102.930 10.524 83.667 1.00 49.95 3749 CG ARG A 466 -102.409 10.949 86.130															
3739 CA LEU A 465 -105.637 8.055 84.743 1.00 49.61 3740 CB LEU A 465 -105.217 7.662 86.155 1.00 49.61 3741 CG LEU A 465 -105.779 6.366 86.731 1.00 50.27 3743 CD LEU A 465 -107.180 6.079 86.222 1.00 51.84 3744 C LEU A 465 -107.180 6.079 86.222 1.00 51.84 3745 C LEU A 465 -104.947 9.355 84.351 1.00 49.30 3746 N ARG A 466 -103.655 9.296 84.025 1.00 49.57 3747 CA ARG A 466 -102.975 11.514 84.835 1.00 49.59 3749 CG ARG A 466 -102.975 11.514 84.835 1.00 47.93 3751 NE ARG A 466 -102.553 11.822 87.346 1.00 47.83 3752 CZ ARG A 466 -102.554 11.040 88.565															
3740 CB LEU A 465 -105.217 7.662 86.155 1.00 49.71 3741 CG LEU A 465 -105.779 6.366 86.731 1.00 50.27 3742 CD LEU A 465 -105.786 6.448 88.253 1.00 51.27 3743 CD LEU A 465 -107.180 6.079 86.222 1.00 51.27 3745 C LEU A 465 -104.947 9.355 84.351 1.00 49.30 3746 N ARG A 466 -105.589 10.412 84.341 1.00 49.57 3747 CA ARG A 466 -102.930 10.524 83.667 1.00 47.99 3748 C ARG A 466 -102.930 10.524 83.467 1.00 47.99 3749 CG ARG A 466 -102.957 11.514 84.835 1.00 47.93 3751 NE ARG A 466 -102.499 10.949 86.130 1.00 47.83 3752 CZ ARG A 466 -102.554 11.040 88.565															
3741 CG LEU A 465 -105.779 6.366 86.731 1.00 50.27 3742 CD1 LEU A 465 -105.786 6.488 88.253 1.00 51.27 3744 C LEU A 465 -107.180 6.079 86.222 1.00 51.27 3745 C LEU A 465 -107.180 6.079 84.222 1.00 49.30 3746 N ARG A 466 -102.589 10.412 84.341 1.00 49.57 3747 CA ARG A 466 -102.930 10.524 83.667 1.00 47.93 3749 CG ARG A 466 -102.935 11.514 84.835 1.00 47.93 3751 NE ARG A 466 -102.975 11.514 84.835 1.00 47.93 3751 NE ARG A 466 -102.545 11.049 88.565 1.00 47.93 3753 NH1 ARG A 466 -102.546 11.049 88.565 1.00 47.83 3751 NE ARG A 466 -102.546 11.049 88.565 <td></td>															
3742 CD1 LEU A 465 -105.786 6.448 88.253 1.00 51.84 3743 CD2 LEU A 465 -107.180 6.079 86.222 1.00 51.27 3744 C LEU A 465 -104.947 9.355 84.351 1.00 49.30 3745 O LEU A 465 -104.947 9.355 84.025 1.00 49.57 3746 N ARG A 466 -105.589 10.412 84.025 1.00 48.60 3747 CA ARG A 466 -102.930 10.524 83.667 1.00 47.93 3750 CD ARG A 466 -102.409 10.949 86.130 1.00 47.72 3751 NE ARG A 466 -102.546 11.040 88.565 1.00 47.93 3752 CZ ARG A 466 -103.345 9.694 90.240 1.00 47.62 3754 NE ARG A 466 -103.345 9.694 90.240 1.00 47.62 3755 C ARG A 466 -101.369 10.364 88.618															
3743 CD2 LEU A 465 -107.180 6.079 86.222 1.00 51.27 3744 C LEU A 465 -104.947 9.358 84.351 1.00 49.35 3745 O LEU A 465 -105.589 10.412 84.341 1.00 49.57 3746 N ARG A 466 -102.930 10.524 83.667 1.00 47.93 3748 CB ARG A 466 -102.935 11.514 84.835 1.00 47.93 3750 CD ARG A 466 -102.409 10.949 86.130 1.00 47.83 3751 NE ARG A 466 -102.653 11.822 87.346 1.00 47.83 3752 CZ ARG A 466 -103.555 10.397 89.137 1.00 47.98 3753 NH1 ARG A 466 -103.555 10.397 89.618 1.00 47.98 3755 C ARG A 466 -101.469 10.364 88.5618 1.00 47.62 3755 D ARG A 466 -104.774 10.460 88.5618<															
3744 C LEU A 465 -104.947 9.355 84.351 1.00 49.30 3745 O LEU A 465 -105.589 10.412 84.341 1.00 49.57 3746 N ARG A 466 -102.930 10.524 83.667 1.00 48.60 3747 CA ARG A 466 -102.930 10.524 83.667 1.00 48.60 3749 CG ARG A 466 -102.975 11.514 84.835 1.00 47.72 3751 NE ARG A 466 -102.537 11.822 87.346 1.00 47.93 3752 CZ ARG A 466 -102.546 11.040 85.655 1.00 47.93 3753 NH ARG A 466 -103.345 9.694 90.240 1.00 47.93 3754 NEZ ARG A 466 -103.345 9.694 90.240 1.00 47.62 3755 C ARG A 466 -104.747 10.460 88.618 1.00 47.62 3755 C ARG A 466 -104.469 10.344 83.251															
3745 O LEU A 465 -105.589 10.412 84.341 1.00 49.57 3746 N ARG A 466 -103.655 9.296 84.025 1.00 48.60 3747 CA ARG A 466 -102.930 10.524 83.667 1.00 47.93 3748 CB ARG A 466 -102.409 10.949 86.130 1.00 47.93 3750 CD ARG A 466 -102.653 11.822 87.346 1.00 47.93 3751 NE ARG A 466 -102.653 11.822 87.346 1.00 47.93 3752 CZ ARG A 466 -103.555 10.397 89.137 1.00 47.98 3753 NH1 ARG A 466 -103.555 10.397 89.613 1.00 47.98 3755 NH2 ARG A 466 -103.555 10.397 89.618 1.00 47.98 3755 NH1 ARG A 466 -103.545 9.694 90.240 1.00 46.67 3755 O ARG A 466 -104.774 10.460 88.618															
3746 N ARG A66 -103.655 9.296 84.025 1.00 48.60 3747 CA ARG A66 -102.930 10.524 83.667 1.00 47.99 3749 CG ARG A 466 -102.975 11.514 84.835 1.00 48.10 3750 CD ARG A 466 -102.563 11.822 87.346 1.00 47.73 3751 NE ARG A 466 -102.546 11.040 85.655 1.00 47.93 3753 NH1 ARG A 466 -103.345 9.694 90.240 1.00 47.93 3753 NH2 ARG A 466 -104.355 10.394 88.618 1.00 47.62 3754 NH2 ARG A 466 -104.474 10.460 88.618 11.00 47.62 3755 C ARG A 66 -101.469 10.344 83.251 1.00 47.62 3756															
3747 CA ARG A 466 -102.930 10.524 83.667 1.00 47.99 3748 CB ARG A 466 -102.975 11.514 84.835 1.00 47.99 3759 CG ARG A 466 -102.409 10.949 86.130 1.00 47.83 3751 NE ARG A 466 -102.546 11.040 88.565 1.00 47.83 3752 CZ ARG A 466 -102.546 11.040 88.565 1.00 47.98 3753 NH2 ARG A 466 -103.555 10.397 89.137 1.00 47.98 3754 NH2 ARG A 466 -103.555 10.397 89.137 1.00 47.98 3755 C ARG A 466 -104.774 10.460 88.618 1.00 47.58 3756 C ARG A 466 -101.469 10.364 83.251 1.00 47.62 3757 N VAL A 467 -99.354 11.442 82.689 1.00 46.84 3757 C VAL A 467 -99.354 12.388 81.050 </td <td></td>															
3748 CB ABG A 466 -102.975 11.514 84.835 1.00 48.10 3750 CD ARG A 466 -102.409 10.949 86.130 1.00 47.83 3751 NE ARG A 466 -102.546 11.040 88.565 1.00 47.93 3752 CZ ARG A 466 -103.555 10.397 89.137 1.00 47.93 3753 NI1 ARG A 466 -103.345 9.694 90.240 1.00 47.62 3755 C ARG A 466 -104.774 10.460 88.618 1.00 47.62 3756 C ARG A 466 -101.469 10.364 83.251 1.00 47.62 3757 N VAL A 467 -109.934 11.442 82.689 1.00 46.84 3758 C VAL A 467 -99.356 12.388 80.278 1.00 46.28 3760 CGI VAL A 467 -99.356 12.234 80.519 1.00 46.55 3762 C VAL A 467 -99.669 11.959 83.440		CA	ARG	A	466	_	102.5	930	10	.524	8	3.667	1	.00	47.99
3749 CG ABG A 466 -102.409 10.949 86.130 1.00 47.72 3750 CD ABG A 466 -102.553 11.822 87.346 1.00 47.93 3751 NE ARG A 466 -103.555 10.397 89.137 1.00 47.93 3753 NH1 ARG A 466 -103.555 0.397 89.137 1.00 47.98 3754 NH2 ARG A 466 -104.774 10.460 88.618 1.00 47.58 3755 C ARG A 466 -104.774 10.460 83.251 1.00 47.46 3756 O ARG A 466 -100.840 9.318 83.454 1.00 47.46 3757 N VAL A 467 -99.541 11.442 82.269 1.00 46.84 3759 CB VAL A 467 -99.356 12.388 81.050 1.00 46.28 3760 CGI VAL A 467 -99.3732 12.294 80.519 1.00 46.23 3761 CG2 VAL A 467 -97.393 12.294 80.519 </td <td>3748</td> <td>CB</td> <td>ARG</td> <td>A</td> <td>466</td> <td></td> <td></td> <td></td> <td>11</td> <td>.514</td> <td>8</td> <td>4.835</td> <td>1</td> <td>.00</td> <td></td>	3748	CB	ARG	A	466				11	.514	8	4.835	1	.00	
3750 CD ARG A 466 -102.653 11.822 87.346 1.00 47.83 3752 CZ ARG A 466 -102.546 11.040 88.565 1.00 47.93 3753 NH1 ARG A 466 -103.555 10.397 89.137 1.00 47.98 3753 NH1 ARG A 466 -103.555 9.694 90.240 1.00 48.67 3755 C ARG A 466 -104.774 10.460 88.618 1.00 47.62 3755 C ARG A 466 -104.469 10.364 83.251 1.00 47.62 3755 N VAL A 467 -104.490 9.318 83.454 1.00 47.62 3759 CB VAL A 467 -99.356 12.388 81.269 1.00 46.28 3756 CG VAL A 467 -99.356 12.388 81.050 1.00 46.28 3762 CC VAL A 467 -97.932 12.294 80.519 1.00 46.53 3762 CC VAL A 467 -90.356 11.991 79.957 1.00 46.53 3762 CC VAL A 467 -98.669 11.959 83.490 1.00 46.55 3763 CC VAL A 467 -98.669 11.959 83.490 1.00 46.55 3763 CC VAL A 467 -98.669 11.959 83.490 1.00 45.53 3763 CC VAL A 467 -98.669 11.959 83.490 1.00 45.53 3763 CC VAL A 467 -98.669 11.959 83.490 1.00 45.53 3763 CC VAL A 467 -98.689 13.955 33.995 1.00 45.53 3763 CC VAL A 467 -98.689 13.955 33.995 1.00 45.53 3763 CC VAL A 467 -98.689 13.955 33.995 1.00 45.53 34.60 33.995 33.99															
3751 NE ABG A 466 -102.546 11.040 88.565 1.00 47.93 3752 CZ ARG A 466 -103.555 10.397 89.137 1.00 47.98 3753 NH1 ARG A 466 -103.345 9.694 90.240 1.00 47.58 3755 N ARG A 466 -104.774 10.460 88.618 1.00 47.58 3756 O ARG A 466 -101.469 10.348 83.251 1.00 47.46 3757 N VAL A 467 -100.934 11.442 82.689 1.00 46.24 3759 CB VAL A 467 -99.541 11.488 82.278 1.00 46.24 3759 CB VAL A 467 -99.356 12.388 81.050 1.00 46.28 3760 CG VAL A 467 -97.392 12.294 80.519 1.00 46.53 3761 CC VAL A 467 -93.356 12.388 81.050 1.00 46.53 3762 C VAL A 467 -93.350 11.991 79.957	3750	CD	ARG	A	466	-	102.6	553	11	.822	8	7.346	1	.00	47.83
3752 CZ ARG A 466 -103.555 10.397 89.137 1.00 47.98 3753 NH2 ARG A 466 -103.345 9.694 90.240 1.00 48.75 3754 NH2 ARG A 466 -104.774 10.460 88.618 1.00 47.58 3755 C ARG A 466 -101.469 9.318 83.454 1.00 47.62 3757 N VAL A 467 -100.934 11.442 82.699 1.00 46.84 3759 CR VAL A 467 -99.354 11.488 82.278 1.00 46.28 3760 CGI VAL A 467 -99.356 12.388 81.050 1.00 46.25 3761 CG VAL A 467 -99.356 12.388 81.050 1.00 46.55 3762 C VAL A 467 -99.356 11.991 79.957 1.00 46.55 3763 O VAL A 467 -90.350 11.991 79.957 1.00 46.55	3751	NE	ARG	A	466	-	102.5	546	11	.040	8	8.565	1	.00	
3753 NH1 ARG A 466 -103.345 9,694 90.240 1.00 48.67 3754 NH2 ARG A 466 -104.774 10.460 88.618 1.00 47.58 3755 C ARG A 466 -101.469 10.364 83.251 1.00 47.62 3756 O ARG A 466 -100.840 9.318 83.454 1.00 47.46 3757 N VAL A 467 -100.934 11.482 82.298 1.00 46.21 3759 CB VAL A 467 -99.356 12.388 81.050 1.00 46.28 3760 CGI VAL A 467 -99.356 12.388 81.050 1.00 46.28 3761 CG2 VAL A 467 -99.356 11.991 79.957 1.00 46.53 3761 CG2 VAL A 467 -98.669 11.991 79.957 1.00 46.53 3762 C VAL A 467 -98.669 11.991 79.957 1.00 45.53 3763 O VAL A 467 -98.682 13.054 83.995	3752	CZ	ARG			-	103.5	555							47.98
3754 NR2 ARG A 666 -104.774 10.460 88.618 1.00 47.58 3755 C ARG A 466 -101.469 10.364 83.251 1.00 47.62 3757 O ARG A 466 -100.840 9.318 83.454 1.00 47.46 3758 C VAL A 467 -99.541 11.482 82.278 1.00 46.24 3759 CB VAL A 467 -99.356 12.388 81.050 1.00 46.28 3760 CG1 VAL A 467 -99.352 12.298 80.519 1.00 46.28 3761 CG2 VAL A 467 -100.350 11.991 79.957 1.00 46.39 3763 O VAL A 467 -98.669 11.698 33.440 1.00 45.53	3753	NH1	ARG	A	466	-	103.3	345	9.	694			1	.00	48.67
3755 C ABC A 466 -101.469 10.364 83.251 1.00 47.62 3757 N ABC A 466 -100.840 9.318 83.454 1.00 47.46 3757 N VAL A 467 -100.934 11.442 82.689 1.00 46.24 3759 CB VAL A 467 -99.541 11.488 82.278 1.00 46.21 3760 CG1 VAL A 467 -99.356 12.388 81.050 1.00 46.55 3761 CG2 VAL A 467 -97.932 12.294 80.519 1.00 46.55 3762 C VAL A 467 -98.669 11.969 83.440 1.00 45.53 3763 O VAL A 467 -98.882 13.054 83.985 1.00 45.55	3754	NH2	ARG	A	466						8	8.618	1	.00	47.58
3757 N VAL A 467 -100.934 11.442 82.689 1.00 46.84 3758 CA VAL A 467 -99.541 11.488 82.278 1.00 46.21 3759 CB VAL A 467 -99.356 12.388 81.050 1.00 46.28 3761 CG2 VAL A 467 -97.932 12.224 80.519 1.00 46.55 3762 C VAL A 467 -98.669 11.991 79.957 1.00 46.55 3763 O VAL A 467 -98.882 13.054 83.985 1.00 45.53	3755	С	ARG	A	466						8	3.251	1	.00	
3758 CA VAL A 467 -99.541 11.488 82.278 1.00 46.21 3759 CB VAL A 467 -99.356 12.388 81.050 1.00 46.28 3760 CG1 VAL A 467 -97.932 12.294 80.519 1.00 46.55 3761 CG2 VAL A 467 -100.350 11.991 79.957 1.00 46.39 3762 C VAL A 467 -98.689 11.969 83.440 1.00 45.53 3763 O VAL A 467 -98.882 13.054 83.995 1.00 45.50	3756	0	ARG	A	466	-	100.8	340	9	.318	8	3.454	1	.00	47.46
3758 CA VAL A 467 -99.541 11.488 82.278 1.00 46.21 3759 CB VAL A 467 -99.356 12.388 81.050 1.00 46.28 3760 CG1 VAL A 467 -97.932 12.294 80.519 1.00 46.55 3761 CG2 VAL A 467 -100.350 11.991 79.957 1.00 46.39 3762 C VAL A 467 -98.689 11.969 83.440 1.00 45.53 3763 O VAL A 467 -98.882 13.054 83.995 1.00 45.50		N	VAL	A	467								1	.00	
3760 CG1 VAL A 467 -97.932 12.294 80.519 1.00 46.55 3761 CG2 VAL A 467 -100.350 11.991 79.957 1.00 46.39 3762 C VAL A 467 -98.669 11.969 83.440 1.00 45.53 3763 O VAL A 467 -98.882 13.054 83.985 1.00 45.50	3758	CA			467										
3761 CG2 VAL A 467 -100.350 11.991 79.957 1.00 46.39 3762 C VAL A 467 -98.869 11.969 83.440 1.00 45.50 3763 O VAL A 467 -98.882 13.054 83.985 1.00 45.50															
3761 CG2 VAL A 467 -100.350 11.991 79.957 1.00 46.39 3762 C VAL A 467 -98.869 11.969 83.440 1.00 45.50 3763 O VAL A 467 -98.882 13.054 83.985 1.00 45.50	3760	CG1	VAL	A	467		-97.9	932	12	.294	8	0.519	1	.00	46.55
3762 C VAL A 467 -98.669 11.969 83.440 1.00 45.53 3763 O VAL A 467 -98.882 13.054 83.985 1.00 45.50	3761		VAL	A	467				11	.991			1	.00	46.39
		С	VAL	A	467		-98.6	569	11	.969	8	3.440	1	.00	45.53
3764 N LEU A 468 -97.699 11.140 83.825 1.00 44.68	3763	0	VAL.	A	467		-98.8	382	13	.054	8	3.985	1	.00	45.50
	3764	N	LEU	A	468		-97.	599	11	.140	8	3.825	1	.00	44.68

FIGURE 3 BV

A	В	C D	E	F	G	H	I	J
2765	0.3		460	06.016	11 440	04 047	1 00	40.70
3765	CA	LEU A		-96.816	11.442	84.947		43.73
3766	CB	LEU A		-96.367	10.158	85.624	1.00	43.64
3767	CG	LEU A		-97.503	9.347	86.240	1.00	43.86
3768	CD1	LEU A		-97.013	7.951	86.605	1.00	42.81
3769	CD2	LEU A		-98.064	10.066	87.460	1.00	43.88
3770	C	LEU A		-95.607	12.258	84.520		43.12
3771	0	LEU A		-95.192	13.178	85.213	1.00	42.91
3772	N	GLU A		-95.043	11.918	83.371	1.00	42.82
3773	CA	GLU A		-93.899	12.649	82.844	1.00	42.57
3774	CB	GLU A		-92.594	12.183	83.504	1.00	42.47
3775	CG	GLU A		-91.348	12.813	82.900	1.00	41.72
3776	CD	GLU A		-91.356	14.324	82.998	1.00	42.26
3777	OE1	GLU A		-91.186	14.994	81.955	1.00	43.08
3778	OE2	GLU A		-91.525	14.845	84.124	1.00	43.00
3779	С	GLU A		-93.860	12.397	81.360	1.00	42.39
3780	0	GLU A		-93.973	11.263	80.929	1.00	42.87
3781	N	ASP A		-93.695	13.449	80.572	1.00	42.38
3782	CA	ASP A		-93.706	13.302	79.121	1.00	42.12
3783	CB	ASP A		-94.939	13.993	78.533	1.00	42.50
3784	CG	ASP A		-94.937	15.502	78.767	1.00	43.52
3785	OD1	ASP A		-95.916	16.155	78.347	1.00	46.03
3786	OD2	ASP A		-94.015	16.126	79.349	1.00	44.41
3787	C	ASP A		-92.479	13.881	78.454	1.00	41.72
3788	0	ASP A		-92.426	13.935	77.225	1.00	
3789	N	ASN A		-91.512	14.334	79.250	1.00	41.45
3790	CA	ASN A		-90.291	14.954	78.717		41.38
3791	CB	ASN A		-89.345	13.921	78.111	1.00	41.20
3792	CG	ASN A		-88.528	13.213	79.158	1.00	41.48
3793	OD1	ASN A		-87.686	13.822	79.813	1.00	42.74
3794	ND2	ASN A		-88.792	11.927	79.350	1.00	41.64
3795	C	ASN A		-90.511	16.069	77.712		41.65
3796	0	ASN A		-89.706	16.254	76.792	1.00	42.56
3797	N	SER A		-91.589	16.821	77.876	1.00	41.59
3798	CA	SER A		-91.828	17.960	76.999	1.00	41.81
3799	CB	SER A		-93.152	18.654	77.354	1.00	41.60
3800	OG	SER A		-93.323	18.714	78.757	1.00	42.06
3801	C	SER A		-90.657	18.937	77.076	1.00	41.50
3802	0	SER A		-90.261	19.523	76.070	1.00	41.97
3803	N	ALA A		-90.101	19.111	78.268	1.00	
3804	CA			-88.939	19.980	78.430		41.91
3805 3806	CB C	ALA A		-88.488 -87.798	20.016 19.525	79.885 77.517	1.00	41.64
						76.702		
3807	0	ALA A		-87.299	20.313		1.00	42.61
3808 3809	N CA	LEU A		-87.403 -86.336	18.254 17.732	77.630 76.787	1.00	42.24
3810	CB	LEU A		-86.084	16.245	77.045	1.00	42.03
3811	CG	LEU A		-85.137	15.657	75.995	1.00	42.90
3812	CD1	LEU A		-83.713	16.182	76.236	1.00	42.23
3813	CD2	LEU A		-85.161	14.135	75.983	1.00	42.52
3814	C	LEU A		-86.709	17.899	75.336	1.00	43.59
3815	0	LEU A		-85.866	18.204	74.498		43.31
2012	U	DEC W	2/9	00.000	10.204	, q . q JO	1.00	-J.JI

FIGURE 3 BW

A	В	С	D	Е		F	G	Н	I	J
3816	N	ASP	А	475	-87.	985	17.664	75.0	14 1.00	44.41
3817	CA	ASP		475	-88		17.801	73.68		
3818	CB	ASP		475	-89.		17.387	73.60		
3819	CG	ASP		475	-90.		17.652	72.2		
3820	OD1	ASP		475	-91.		18.487	72.15		
3821	OD2	ASP		475	-90.		17.091	71.20		
3822	C	ASP		475	-88		19.218	73.15		
3823	ŏ	ASP		475	-87		19.406	72.03		
3824	N	LYS		476	-88		20.215	73.98		
3825	CA	LYS		476	-88		21.599	73.5		
3826	CB	LYS		476	-88		22.580	74.6		
3827	CG	LYS		476	-88		24.039	74.1		
3828	CD	LYS			-88.		25.030	75.32		
3829	CE	LYS		476	-90.		25.232	75.92		
3830	NZ	LYS		476	-91.		26.170	75.13		
3831	C	LYS		476	-86		21.881	73.18		
3832	Ö	LYS		476	-86		22.414	72.1		
3833	N	MET		477	-86		21.495	74.00		
3834	CA		A	477	-84.		21.775	73.83		
3835	CB		A	477	-83		21.599	75.0		
3836	CG		A	477	-84		20.657	76.1		
3837	SD	MET		477	-83.		20.037	77.86		
3838	CE	MET		477	-82		21.420	77.7		
3839	C		A	477	-84		21.028	72.6		
3840	0		A	477	-83.		21.592	71.86		
3841	N	LEU		478	-84		19.785	72.3		
3842	CA	LEU		478	-83		19.004	71.2		
3843	CB	LEU		478	-84		17.553	71.3		
3844	CG	LEU		478	-83		16.488	71.88		
3845	CD1	LEU		478	-84		15.365	72.5		
3846	CD2	LEU		478	-82		17.071	72.89		
3847	C	LEU		478	-84.		19.589	69.88		
3848	Ö	LEU			-83		19.263	68.89		
3849	N	GLN		479	-85		20.431	69.80		
3850	CA	GLN		479	-85.		21.039	68.5		
3851	CB	GLN		479	-86		21.951	68.70		
3852	CG	GLN		479	-88		21.283	69.3		
3853	CD	GLN		479	-89.		22.298	69.85		
3854	OE1	GLN		479	-90.		22.222	69.5		
3855	NE2	GLN		479	-88.		23.261	70.63		
3856	C	GLN		479	-84.		21.872	67.9		
3857	0	GLN		479	-84		22.073	66.73		
3858	N	ASN		480	-83.		22.350	68.8		
3859	CA	ASN		480	-82		23.184	68.50		
3860	CB	ASN			-81.		23.788	69.7		
3861	CG	ASN		480	-82		25.242	69.9		
3862	OD1	ASN		480	-81.		25.872	70.9		
3863	ND2	ASN		480	-82.		25.798	68.9		
3864	C C	ASN		480	-81.		22.454	67.80		
3865	Ö	ASN		480	-80.		22.959	66.8		
3866	N	VAL			-81.		21.254	68.2		49.80
2000	TA	v ry Li	T.	401	-01.	102	21.234	00.2	, , , , , , ,	49.00

FIGURE 3 BX

A	В	С	D	Е	F		G	Н	I	J
3867	CA	VAL	Δ	481	-80.0	18 20	.516	67.792	1 00	48.47
3868	CB	VAL			-79.4		.716	68.945	1.00	48.63
3869	CG1	VAL			-80.4		.324	69.932	1.00	48.32
3870	CG2	VAL			-78.6		.513	68.428	1.00	48.71
3871	C	VAL			-80.3		.612	66.612	1.00	47.73
3872	ō	VAL		481	-81.4		.019	66.533	1.00	47.70
3873	N	GLN		482	-79.3		.549	65.674	1.00	46.58
3874	CA	GLN		482	-79.5		.657	64.527	1.00	45.60
3875	CB	GLN		482	-78.4		.950	63.478	1.00	45.89
3876	CG	GLN	Α	482	-78.8		.048	62.491	1.00	46.68
3877	CD	GLN	Α	482	-77.6		.450	61.610	1.00	49.12
3878	OE1	GLN	Α	482	-77.5	32 20	.021	60.449	1.00	49.65
3879	NE2	GLN	Α	482	-76.7	31 21	.264	62.162	1.00	48.59
3880	С	GLN	Α	482	-79.3	47 17	.244	65.050	1.00	44.65
3881	0	GLN	Α	482	-78.2	37 16	.712	65.161	1.00	44.89
3882	N	MET	Α	483	-80.4	64 16	.620	65.381	1.00	43.19
3883	CA	MET	Α	483	-80.3	56 15	.304	65.983	1.00	42.31
3884	CB	MET	Α	483	-81.1	38 15	.223	67.283	1.00	42.74
3885	CG	MET	Α	483	-80.3	30 15	.935	68.344	1.00	43.53
3886	SD	MET	Α	483	-80.2	91 15	.168	69.912	1.00	43.97
3887	CE	MET	Α	483	-80.9	58 13	.601	69.556	1.00	43.89
3888	C	MET		483	-80.5	12 14	.075	65.106	1.00	41.10
3889	0	MET			-81.2		.061	64.136	1.00	41.20
3890	N	PRO		484	-79.7		.046	65.477	1.00	39.61
3891	CA	PRO		484	-79.6		.822	64.695	1.00	38.67
3892	CB	PRO		484	-78.7		.954	65.528	1.00	38.29
3893	CG	PRO		484	-78.9		.443	66.883	1.00	37.49
3894	CD	PRO		484	-78.9		.943	66.700	1.00	39.37
3895	C	PRO		484	-80.9		.092	64.600	1.00	38.20
3896	0	PRO		484	-81.8		.222	65.441	1.00	38.10
3897	N	SER		485	-81.0		.237	63.587	1.00	37.51
3898	CA	SER			-82.2		.378	63.330	1.00	37.29
3899	CB	SER			-82.5		.425	61.842	1.00	37.14
3900	OG	SER			-83.8		.897	61.654	1.00	36.93
3901	C	SER			-82.0		.904	63.801	1.00	37.17
3902	0	SER			-80.9		.476	64.181	1.00	37.88
3903	N	LYS		486	-83.1		.128	63.766	1.00	36.73
3904	CA	LYS		486	-83.0		.746	64.240	1.00	35.49
3905	CB	LYS		486	-83.6		.664	65.654	1.00	35.57
3906	CG	LYS			-82.9		.686	66.621	1.00	36.30
3907 3908	CD	LYS		486 486	-83.4 -82.6		.262	66.571	1.00	33.64
3908	NZ	LYS		486	-82.6		.328	68.930	1.00	30.35
3910				486	-83.8					34.74
3910	C	LYS		486	-83.8		.812 .806	63.315	1.00	33.95
3911	N		A	487	-83.0		.014	62.554	1.00	34.07
3912	CA	LYS		487	-83.7		.036	61.684	1.00	33.42
3914	CB	LYS		487	-83.1		.101	60.286	1.00	33.59
3915	CG	LYS		487	-83.4		.862	59.468	1.00	36.69
3916	CD	LYS		487	-83.8		.226	58.045		41.28
3917	CE	LYS			-83.6		.024	57.111		43.84
001/		210	.1	10,	00.0			0	1.00	10.01

FIGURE 3 BY

A	В	С	D	E	F	G	Н	I	J
3918	NZ	LYS	Δ	487	-84.134	1.338	55.736	1 00	43.68
3919	C	LYS			-83.559	1.619	62.233	1.00	33.03
3920	0	LYS			-82.439	1.136	62.414	1.00	32.66
3921	N	LEU			-84.705	0.972	62.468	1.00	31.94
3922	CA	LEU			-84.793	-0.386	62.982	1.00	31.33
3923	CB	LEU			-85.744	-0.441	64.170	1.00	30.72
3924	CG	LEU			-85.506	-1.396	65.334	1.00	33.13
3925	CD1	LEU			-86.848	-1.982	65.790	1.00	32.47
3926	CD2	LEU			-84.510	-2.493	65.002	1.00	31.20
3927	С	LEU	Α	488	-85.387	-1.281	61.905	1.00	30.55
3928	0	LEU	Α	488	-86.536	-1.077	61.486	1.00	30.55
3929	N	ASP	Α	489	-84.646	-2.308	61.503	1.00	29.06
3930	CA	ASP	Α	489	-85.097	-3.154	60.413	1.00	29.01
3931	CB	ASP	Α	489	-84.799	-2.467	59.076	1.00	29.47
3932	CG	ASP	Α	489	-85.758	-2.870	57.976	1.00	30.99
3933	OD1	ASP	Α	489	-85.810	-2.167	56.953	1.00	34.83
3934	OD2	ASP	Α	489	-86.511	-3.858	58.036	1.00	33.27
3935	C	ASP	Α	489	-84.422	-4.523	60.479	1.00	28.53
3936	0	ASP	Α	489	-83.693	-4.825	61.442	1.00	
3937	N	PHE	Α	490	-84.686	-5.359	59.477	1.00	27.83
3938	CA			490	-84.065	-6.681	59.427		27.72
3939	CB	PHE			-85.083	-7.764	59.808	1.00	
3940	CG	PHE			-86.211	-7.913	58.825		25.57
3941	CD1			490	-86.096	-8.760	57.739	1.00	
3942	CE1	PHE			-87.138	-8.886	56.816	1.00	
3943	CZ			490	-88.284	-8.191	56.981		20.58
3944	CE2	PHE			-88.416	-7.338	58.057	1.00	
3945	CD2	PHE			-87.384	-7.207	58.984		24.52
3946	С	PHE			-83.498	-6.997	58.062	1.00	
3947	0	PHE			-83.920	-6.426	57.066	1.00	
3948	N			491	-82.527	-7.898	58.021	1.00	
3949	CA	ILE			-82.030	-8.438	56.761	1.00	30.10
3950	CB	ILE			-80.513	-8.178	56.552	1.00	30.32
3951	CG1	ILE			-79.689	-8.904	57.621	1.00	30.59
3952	CD1	ILE			-78.214	-8.869	57.347	1.00	31.85
3953	CG2			491	-80.177	-6.669	56.546	1.00	27.87
3954 3955	С	ILE			-82.302 -82.593	-9.943 -10.502	56.825		
3956	O N	ILE			-82.223	-10.502	57.890 55.684	1.00	31.10
3950	CA			492	-82.223 -82.437	-12.039	55.670	1.00	35.18
3958	CB			492	-83.369		54.533	1.00	35.31
3959	CG1	ILE				-11.984	54.782	1.00	35.48
3960	CD1			492		-12.485	56.062	1.00	33.16
3961	CG2	ILE			-83.373		54.431	1.00	36.28
3962	C	ILE			-81.108		55.492	1.00	36.09
3963	0			492	-80.309		54.660	1.00	36.32
3964	N	LEU			-80.869		56.318	1.00	37.37
3965	CA	LEU				-14.595	56.191	1.00	38.16
3966	CB	LEU				-14.367	57.335	1.00	37.88
3967	CG	LEU			-77.484		57.096	1.00	39.32
3968	CD1	LEU			-77.410		58.057		38.41

FIGURE 3 BZ

A	В	С	D	Е		F	G	Н	I	J
3969	CD2	LEU	А	493	-77	.341	-13.07	1 55.62	6 1.00	39.89
3970	С	LEU	Α	493	-80	.233	-16.00	2 56.30	5 1.00	38.84
3971	0	LEU	Α	493	-80	.833	-16.35	2 57.33	1.00	38.82
3972	N	ASN		494		.031	-16.81			
3973	CA	ASN	Α	494	-80	.453	-18.20	6 55.33	8 1.00	40.92
3974	CB	ASN	Α	494	-79	.600	-18.96	7 56.36	1.00	41.46
3975	CG	ASN	Α	494	-78	.358	-19.60	2 55.74	1 1.00	45.04
3976	OD1	ASN	Α	494	-77	.243	-19.57	5 56.31	9 1.00	46.86
3977	ND2	ASN	Α	494	-78	.544	-20.21	0 54.56	7 1.00	47.43
3978	C	ASN	Α	494	-81	.945	-18.37	1 55.66	6 1.00	40.69
3979	0	ASN	Α	494		.331	-19.23	5 56.46	1.00	41.21
3980	N	GLU	Α	495	-82	.775	-17.52	4 55.0€	9 1.00	40.67
3981	CA	GLU		495		.229	-17.58			
3982	CB	GLU		495		.765	-18.96			
3983	CG	GLU				.249	-19.37			
3984	CD	GLU		495		.930	-20.59			
3985	OE1	GLU		495		.445	-21.07			
3986	OE2	GLU		495		.937	-21.07			48.69
3987	С	GLU		495		.658	-17.22			39.77
3988	0	GLU		495		.761	-17.56			
3989	N	THR		496		.776	-16.53			38.18
3990	CA	THR		496		.084	-16.09			36.33
3991	CB	THR				.142	-16.77			36.57
3992	0G1	THR				.225	-18.18			38.87
3993 3994	CG2	THR				.619				
3994	C	THR		496 496		.125	-14.58 -13.96			34.71
3995	N	LYS		496		.731	-14.00			32.91
3997	CA		A	497		.633	-12.58			31.43
3998	CB	LYS		497		.966	-12.07			31.44
3999	CG	LYS		497		.894	-11.56			
4000	CD	LYS		497		.294	-11.97			
4001	CE	LYS				.300	-10.90			
4002	NZ		A	497		.642	-11.49			
4003	C	LYS		497		.617	-12.39			
4004	0	LYS	Α	497	-83	.576	-13.15		0 1.00	28.96
4005	N	PHE	Α	498	-82	.775	-11.38	4 60.94	2 1.00	28.58
4006	CA	PHE	Α	498	-81	.866	-10.94	0 61.98		
4007	CB	PHE	Α	498	-80	.440	-11.40	4 61.68	8 1.00	26.62
4008	CG	PHE	Α	498	-80	.286	-12.89	4 61.72	3 1.00	26.36
4009	CD1	PHE	Α	498	-80	.208	-13.57	8 62.93	6 1.00	24.73
4010	CE1	PHE	Α	498	-80	.079	-14.97	3 62.9€	7 1.00	23.81
4011	CZ	PHE	Α	498		.046	-15.67			25.41
4012	CE2		Α	498		.133	-14.99			
4013	CD2		Α	498		.268	-13.62			
4014	C		Α	498		.017	-9.41			
4015	0		Α	498		.909	-8.77			
4016	N	TRP		499		.291	-8.84			
4017	CA		Α	499		.577	-7.42			
4018	CB	TRP		499		.673	-7.16			24.90
4019	CG	TRP	Α	499	-84	.981	-7.74	8 63.83	ıα 1.00	25.23

FIGURE 3 CA

A	В	C D	E	F	G	H	I	J
4020	CD1	TRP A		-85.310	-9.065	63.808		26.41
4021	NE1	TRP A		-86.596	-9.225	63.350		27.66
4022	CE2	TRP A		-87.121	-7.991	63.071		26.05
4023	CD2	TRP A	499	-86.130	-7.038	63.361	1.00	25.37
4024	CE3	TRP A		-86.427	-5.679	63.156		27.08
4025	CZ3	TRP A	499	-87.688	-5.330	62.669		26.31
4026	CH2	TRP A	499	-88.643	-6.314	62.400	1.00	26.65
4027	CZ2	TRP A	499	-88.376	-7.646	62.592		24.51
4028	C	TRP A	499	-81.345	-6.567	63.474	1.00	25.20
4029	0	TRP A		-80.363	-7.016	64.064		24.93
4030	N	TYR A		-81.405	-5.332	62.988		25.23
4031	CA	TYR A		-80.306	-4.401	63.128		25.42
4032	CB	TYR A		-79.424	-4.413	61.876		25.54
4033	CG	TYR A		-80.043	-3.753	60.649	1.00	
4034	CD1	TYR A		-79.967	-2.374	60.467	1.00	
4035	CE1	TYR A		-80.512	-1.757	59.350		26.86
4036	CZ	TYR A		-81.144	-2.519	58.375		29.46
4037	OH	TYR A		-81.675	-1.882	57.271	1.00	31.13
4038	CE2	TYR A		-81.236	-3.903	58.509	1.00	
4039	CD2	TYR A		-80.682	-4.516	59.653	1.00	
4040	C	TYR A		-80.888	-3.015	63.316		25.49
4041	0	TYR A		-82.021	-2.755	62.916	1.00	
4042	N	GLN A		-80.125	-2.115	63.926		25.60
4043	CA	GLN A		-80.560	-0.734	64.056		25.35
4044	CB	GLN A		-80.978	-0.393	65.490		24.51
4045	CG	GLN A		-79.863	-0.443	66.506		23.61
4046	CD	GLN A		-80.323	-0.032	67.887	1.00	
4047	OE1	GLN A		-81.444	-0.365	68.298		22.73
4048	NE2	GLN A		-79.454	0.672	68.625		22.12
4049	C	GLN A		-79.435	0.160	63.598		26.27
4050	0	GLN A		-78.257	-0.165	63.762	1.00	
4051	N	MET A		-79.808	1.270	62.979	1.00	
4052	CA	MET A		-78.845	2.268	62.569		27.40
4053	CB		502	-78.806	2.401	61.057		26.94
4054	CG	MET A		-77.888	1.412	60.401		27.66
4055	SD		502	-78.030	1.525	58.635		28.81
4056	CE	MET A		-77.003	0.102	58.082	1.00	
4057	С	MET A		-79.190	3.604	63.181		27.77
4058	0		502	-80.338	4.049	63.127		28.13
4059	N	ILE A		-78.190	4.233	63.781		28.03
4060	CA	ILE A		-78.334	5.584	64.271	1.00	
4061	CB	ILE A		-77.488	5.792	65.531	1.00	
4062	CG1	ILE A		-77.796	4.709	66.570		27.03
4063	CD1	ILE A		-79.208	4.770	67.149		25.17
4064	CG2	ILE A		-77.738	7.178	66.120		28.26
4065	C	ILE A		-77.807	6.397	63.101	1.00	
4066	0	ILE A		-76.624	6.346	62.789	1.00	
4067	N	LEU A		-78.698	7.097	62.415		28.67
4068	CA	LEU A		-78.329	7.843	61.203	1.00	
4069	CB	LEU A		-79.428	7.690	60.152		28.20
4070	CG	LEU A	504	-79.790	6.230	59.850	1.00	27.95

FIGURE 3 CB

A	В	С	D	Е		F	G	Н	I	J
4071	CD1	LEU				81.155	6.12			26.23
4072	CD2	LEU				-78.690	5.60			27.03
4073	С	LEU				-78.123	9.32			29.01
4074	0	LEU				-78.904	9.93		1.00	28.73
4075	N	PRO				-77.066	9.87			29.74
4076	CA			505		76.772	11.31		1.00	31.16
4077	CB			505		75.549	11.48		1.00	31.00
4078	CG			505		74.934	10.09		1.00	30.51
4079	CD			505		-76.051	9.12		1.00	29.57
4080	C			505		-77.904	12.17		1.00	32.28
4081	0			505		78.521	11.79		1.00	32.31
4082	N	PRO				78.141	13.32		1.00	33.17
4083 4084	CA CB	PRO				-79.180 -78.816	14.27 15.54		1.00	34.45
4085	CG	PRO				-77.406	15.28		1.00	33.29
4086	CD	PRO				-77.406	13.20		1.00	33.29
4087	CD	PRO				-79.089	14.58		1.00	35.78
4088	Ô	PRO				-77.982	14.61		1.00	35.88
4089	N	HIS				-80.231	14.82		1.00	37.58
4090	CA	HIS				-80.270	15.12		1.00	39.22
4091	CB	HIS				-79.544	16.44		1.00	39.61
4092	CG	HIS				-79.863	17.55		1.00	42.21
4093	ND1	HIS				-81.141	18.05		1.00	45.27
4094	CE1	HIS				-81.119	19.03		1.00	45.00
4095	NE2	HIS				-79.875	19.18		1.00	44.55
4096	CD2			507		79.069	18.27	6 58.546	1.00	44.21
4097	С	HIS	Α	507		79.615	14.00	1 56.319	1.00	39.45
4098	0	HIS	Α	507		78.933	14.24	4 55.321	1.00	39.96
4099	N	PHE	Α	508		79.816	12.77	4 56.784	1.00	39.94
4100	CA	PHE	Α	508		79.205	11.60	3 56.160	1.00	40.03
4101	CB			508		-79.652	10.32		1.00	40.09
4102	CG			508		79.126	9.09		1.00	39.51
4103	CD1	PHE				-77.812	8.71		1.00	38.08
4104	CE1	PHE		508		-77.318	7.58		1.00	39.51
4105	CZ			508		-78.135	6.82		1.00	38.62
4106	CE2			508		-79.440	7.20		1.00	38.70
4107	CD2			508		79.933	8.33		1.00	39.14
4108	C	PHE				79.514	11.48		1.00	40.20
4109 4110	N O	PHE				-80.662 -78.484	11.54 11.30		1.00	40.31
4111	CA	ASP				-78.484	11.25		1.00	40.70
4112	CB	ASP				-77.932	12.44		1.00	41.19
4113	CG	ASP				-78.043	12.44		1.00	41.19
4114	OD1					-78.683	11.57		1.00	41.34
4115	OD2	ASP				-77.511	13.35		1.00	43.36
4116	C	ASP				-78.100	9.94		1.00	41.24
4117	Ö	ASP				-76.887	9.78		1.00	40.75
4118	N	LYS				79.003	9.03		1.00	41.67
4119	CA	LYS	Α	510		78.603	7.71		1.00	42.33
4120	CB	LYS	Α	510	-	79.794	6.74	0 50.985	1.00	
4121	CG	LYS	Α	510		80.791	6.91	7 49.848	1.00	43.62

FIGURE 3 CC

A	В	C D	E	F	G	Н	I	J
4122	CD	LYS A	510	-82.090	6.159	50.171	1.00	45.42
4123	CE	LYS A		-82.783	5.623	48.925		47.10
4124	NZ	LYS A		-82.855	6.597	47.790		47.41
4125	C	LYS A		-77.819	7.743	49.722	1.00	
4126	0	LYS A	510	-77.310	6.719	49.270	1.00	42.28
4127	N	SER A	511	-77.692	8.930	49.138	1.00	43.25
4128	CA	SER A	511	-76.883	9.063	47.932	1.00	43.68
4129	CB	SER A	511	-77.379	10.205	47.035	1.00	43.86
4130	OG	SER A		-76.905	11.463	47.490	1.00	44.84
4131	C	SER A		-75.422	9.286	48.310	1.00	43.23
4132	0	SER A		-74.537	9.182	47.463	1.00	43.76
4133	N	LYS A		-75.169	9.579	49.580	1.00	42.43
4134	CA	LYS A		-73.794	9.814	50.039	1.00	42.01
4135	CB	LYS A		-73.739	11.035	50.962	1.00	42.16
4136	CG	LYS A		-72.528	11.947	50.735	1.00	45.95
4137	CD	LYS A		-71.856	12.418	52.058	1.00	48.83
4138 4139	CE NZ	LYS A		-71.003 -70.193	11.298 11.690	52.684 53.896	1.00	50.74
4140	C	LYS A		-73.221	8.593	50.766	1.00	40.83
4141	Ö	LYS A		-73.221	7.736	51.244	1.00	40.45
4142	N	LYS A		-71.897	8.529	50.858	1.00	39.72
4143	CA	LYS A		-71.213	7.427	51.522	1.00	38.40
4144	СВ	LYS A		-69.996	6.989	50.709	1.00	38.25
4145	CG	LYS A		-70.307	6.475	49.304	1.00	39.78
4146	CD	LYS A	513	-70.907	5.066	49.311	1.00	41.04
4147	CE	LYS A	513	-71.269	4.597	47.895	1.00	41.89
4148	NZ	LYS A		-72.232	5.519	47.227	1.00	41.74
4149	C	LYS A		-70.757	7.856	52.912	1.00	37.48
4150	0	LYS A		-69.953	8.789	53.048	1.00	37.92
4151	N	TYR A		-71.268	7.195	53.946	1.00	35.23
4152	CA	TYR A		-70.863	7.526	55.307	1.00	32.93
4153	CB	TYR A		-72.074	7.652	56.209	1.00	32.28
4154 4155	CG CD1	TYR A		-73.060 -73.117	8.688 9.915	55.783 56.424	1.00	31.98
4156	CE1	TYR A		-74.022	10.865	56.046	1.00	32.89
4157	CZ	TYR A		-74.887	10.595	55.002	1.00	32.35
4158	OH	TYR A		-75.793	11.546	54.617	1.00	32.72
4159	CE2	TYR A		-74.842	9.393	54.348	1.00	30.78
4160	CD2	TYR A		-73.935	8.447	54.742	1.00	31.30
4161	C	TYR A		-69.997	6.439	55.914	1.00	32.06
4162	0	TYR A	514	-70.142	5.254	55.583	1.00	31.54
4163	N	PRO A	515	-69.129	6.849	56.839	1.00	30.48
4164	CA	PRO A	515	-68.353	5.905	57.636	1.00	
4165	CB	PRO A		-67.539	6.808	58.574	1.00	28.88
4166	CG	PRO A		-67.620	8.141	58.014	1.00	30.04
4167	CD	PRO A		-68.874	8.248	57.218		29.90
4168	С	PRO A		-69.334	5.150	58.500	1.00	
4169	O N	PRO A		-70.384	5.677	58.871	1.00	27.42
4170 4171	CA	LEU A		-68.986 -69.880	3.937 3.186	58.869 59.722	1.00	27.30
4172	CB	LEU A		-70.689	2.172	58.915		26.70
31/2	CD	DDO M	310	,0.009	2.1/2	50.915	1.00	20.70

FIGURE 3 CD

A	В	C	D	E	F	G	H	I	J
4173	CG	LEU	70	516	-71.73	7 1.42	1 59.739	1 00	27.51
4174	CD1	LEU			-71.14				28.75
4175	CD2	LEU			-72.93				27.87
4176	C	LEU			-69.10				25.59
4177	0	LEU			-68.03				25.32
4178	N	LEU			-69.63				24.37
					-69.03				
4179	CA	LEU						1.00	
4180	CB	LEU			-68.76				24.08
4181	CG CD1	LEU			-68.51			1.00	
4182	CD1	LEU			-68.69				20.78
4183	CD2	LEU			-67.12			1.00	19.85
4184	C	LEU			-70.02			1.00	24.90
4185	0	LEU			-71.15				24.55
4186	N	LEU			-69.61			1.00	24.40
4187	CA	LEU			-70.50				24.51
4188	CB	LEU			-70.18				24.62
4189	CG	LEU			-71.23				25.59
4190	CD1	LEU			-72.56				28.96
4191	CD2	LEU			-70.73			1.00	25.58
4192	C	LEU			-70.38				24.18
4193	0	LEU			-69.31				24.04
4194	N	ASP			-71.49				23.23
4195	CA	ASP			-71.55				23.29
4196	CB	ASP			-72.56				22.64
4197	CG	ASP			-72.75				22.90
4198	OD1	ASP			-73.39				22.35
4199	OD2	ASP			-72.32				22.78
4200	C	ASP			-71.96				23.59
4201	0	ASP			-73.07				23.11
4202	N	VAL			-71.06				23.40
4203	CA	VAL			-71.40			1.00	23.18
4204	CB	VAL			-70.44				23.42
4205	CG1	VAL			-69.00				24.66
4206	CG2	VAL			-70.75				26.54
4207	С	VAL			-71.41				22.20
4208	0	VAL			-70.64			1.00	21.70
4209	N	TYR			-72.31				21.43
4210	CA	TYR			-72.24				20.51
4211	CB	TYR			-73.38			1.00	20.48
4212	CG	TYR			-73.18				20.85
4213	CD1	TYR			-73.94			1.00	22.44
4214	CE1	TYR			-73.74				21.90
4215	CZ	TYR			-72.77				20.98
4216	OH	TYR			-72.62			1.00	
4217	CE2	TYR			-71.99			1.00	17.30
4218	CD2	TYR			-72.19			1.00	18.93
4219	C	TYR			-72.24			1.00	20.17
4220	0	TYR			-71.20			1.00	19.83
4221	N	ALA			-73.41			1.00	19.73
4222	CA	ALA			-73.56			1.00	19.27
4223	CB	ALA	Α	522	-72.67	5 -10.15	0 69.568	1.00	18.32

FIGURE 3 CE

A	В	С	D	Е		F	G		Н	I	J
4224	С	ALA	А	522		73.331	-11.219	. 7	1.682	1.00	19.90
4225	0	ALA				73.012	-12.306		1.172	1.00	19.97
4226	N			523		73.464	-11.032		2.990	1.00	19.34
4227	CA			523		73.369	-12.135		3.907	1.00	19.32
4228	C			523		74.632	-12.946		3.757	1.00	
4229	0			523		75.568	-12.532		3.091	1.00	20.55
4230	N			524		74.663	-14.113		4.377	1.00	
4231	CA	PRO	Α	524		75.830	-14.988	7	4.295	1.00	20.26
4232	CB	PRO	Α	524		75.374	-16.244		5.038		20.77
4233	CG	PRO	Α	524	_'	73.854	-16.126		5.050	1.00	20.77
4234	CD	PRO	Α	524		73.578	-14.674	7	5.200	1.00	19.33
4235	C	PRO	Α	524		77.058	-14.366	7	4.956	1.00	20.74
4236	0	PRO	Α	524	_,	77.008	-13.932	7	6.107	1.00	20.66
4237	N	CYS	Α	525	_,	78.149	-14.328	7	4.197	1.00	20.18
4238	CA	CYS	Α	525		79.388	-13.695	7	4.587	1.00	20.82
4239	CB	CYS	Α	525		79.949	-14.220	7	5.910	1.00	20.83
4240	SG	CYS	Α	525	-:	81.741	-13.933	7	6.063	1.00	22.40
4241	C	CYS	Α	525		79.295	-12.172	7	4.590	1.00	21.05
4242	0	CYS	Α	525	-:	80.100	-11.502	7	5.207	1.00	21.55
4243	N	SER	Α	526		78.337	-11.617	7	3.874	1.00	21.27
4244	CA	SER	Α	526		78.270	-10.175	7	3.804	1.00	21.42
4245	CB	SER	Α	526		76.872	-9.726	7	3.409	1.00	21.05
4246	OG	SER	Α	526		76.479	-10.308	7	2.175	1.00	23.05
4247	C	SER	Α	526		79.276	-9.632	7	2.799	1.00	21.89
4248	0	SER	Α	526		79.824	-10.374	. 7	1.944	1.00	21.77
4249	N	GLN	Α	527		79.518	-8.333	7	2.903	1.00	21.46
4250	CA	GLN	Α	527	-:	80.321	-7.637	7	1.925	1.00	22.06
4251	CB	GLN	Α	527		81.803	-7.630		2.305	1.00	22.11
4252	CG	GLN	Α	527	-:	B2.670	-6.928		1.305	1.00	20.73
4253	CD	GLN	Α	527	-:	84.138	-7.223	7	1.507	1.00	22.19
4254	OE1			527		84.795	-6.589		2.323		25.90
4255	NE2			527		84.652	-8.177		0.774		20.97
4256	С			527		79.809	-6.226		1.867		22.91
4257	0			527		79.926	-5.473		2.839		23.38
4258	N			528		79.235	-5.880		0.724		23.75
4259	CA			528		78.710	-4.557		0.470		24.57
4260	CB	LYS		528		77.282	-4.675		9.951		24.43
4261	CG	LYS		528		76.278	-5.006		1.025	1.00	
4262	CD	LYS		528		76.446	-4.083		2.209		26.22
4263	CE			528		75.577	-2.871		2.089	1.00	
4264	NZ			528		74.300	-3.184		1.422	1.00	30.11
4265	С			528		79.540	-3.789		9.434		25.60
4266	0			528		79.317	-2.603		9.228	1.00	
4267	N	ALA				80.443	-4.472		8.732		26.51
4268	CA	ALA				81.299	-3.791		7.759		27.24
4269	CB	ALA		529		81.477	-4.612		6.498		26.91
4270	C	ALA		529		82.603	-3.585		8.489	1.00	
4271	0	ALA		529		83.333	-4.533		8.740	1.00	27.80
4272	N	ASP		530		82.887	-2.324		8.814	1.00	28.77
4273	CA	ASP				83.936	-1.953		9.769	1.00	
4274	CB	ASP	А	530	-:	83.238	-1.319	' '/	1.013	1.00	29.38

FIGURE 3 CF

A	В	С	D	Е		F		G		Н	I	J
4275	CG	ASP	Δ	530	- 9	3.489	-2	.074	7	2.224	1.00	32.06
4276	OD1	ASP				4.519		.802		2.207	1.00	38.06
4277	OD2	ASP				2.737		.052		3.222	1.00	33.89
4278	C	ASP				4.882		.874		9.325	1.00	28.27
4279	Ö	ASP				4.580		.095		8.440		28.50
4280	N	THR				5.967		7.753		0.068	1.00	27.52
4281	CA	THR				6.940		.280		9.847	1.00	28.07
4282	CB	THR				8.324		391		9.892	1.00	28.44
4283	OG1	THR				9.032		1.192		8.645	1.00	30.33
4284	CG2	THR				9.171		1.162		0.967	1.00	26.74
4285	C	THR				6.755		.388		0.928	1.00	28.23
4286	0	THR				7.547		.323		1.048	1.00	28.80
4287	N	VAL				5.679		.288		1.695		27.21
4288	CA	VAL				5.408		.263		2.741	1.00	26.82
4289	CB	VAL				4.515		.645		3.848		26.35
4290	CG1	VAL				4.117		.683		4.881	1.00	25.52
4291	CG2	VAL				5.231		.453		4.497	1.00	24.22
4292	C	VAL				4.752		3.544		2.224	1.00	26.84
4293	ŏ	VAL				3.931		.506		1.319	1.00	26.29
4294	N			533		5.158		.680		2.786	1.00	27.07
4295	CA			533		4.536		.958		2.479	1.00	27.09
4296				533		5.508		.102		2.734		27.71
4296	CB CG			533		4.912		.456		2.734		29.13
4298	CD1			533		4.696		3.912		1.215	1.00	32.14
4299	CE1			533		4.126		1.154		0.995	1.00	33.62
4300	CZ			533		3.766		.949		2.073	1.00	31.19
4300	CE2			533		3.974		.499		3.354	1.00	30.70
4301	CD2			533		4.534		.261		3.568	1.00	29.48
4302	C D2			533		3.391		.127		3.440	1.00	26.36
4304	ŏ			533		3.572		.944		4.631	1.00	25.98
4305	N	ARG				2.219		.494		2.943	1.00	26.27
4306	CA	ARG				1.077		.715		3.827	1.00	26.31
4307	CB	ARG				0.054		.544		3.732	1.00	26.04
4308	CG	ARG				0.631		.172		4.077	1.00	
4309	CD	ARG				9.697		.950		3.923		27.08
4310	NE	ARG				0.539		.780		3.653	1.00	31.36
4311	CZ	ARG				0.795		.855		4.552	1.00	31.52
4312	NH1	ARG				0.229		.938		5.755	1.00	36.57
4313	NH2	ARG				1.598		1.147		4.268	1.00	25.14
4314	C	ARG				0.366		3.013		3.470	1.00	26.15
4315	Ö	ARG				0.453		3.471		2.345	1.00	26.29
4316	N	LEU				9.665		3.595		4.445	1.00	26.18
4317	CA	LEU				8.742		.696		4.191		25.53
4318		LEU				9.121		.946		4.191	1.00	
4318	CB CG	LEU				0.485		.483		4.539		26.59
4319	CD1	LEU				0.859		.623		5.456	1.00	25.37
4321												
	CD2	LEU				0.462		.900		3.083		28.33
4322 4323	C	LEU				7.434		.149		4.709 5.912	1.00	25.14
4323	N					6.537						24.32
4324	CA	ASN						.833		3.791 4.164		24.32
4323	CA	ASN	А	230	- /	5.314	5	00T.	/	4.104	1.00	24.10

FIGURE 3 CG

A	В	С	D	Е	F	G	Н	I	J
4326	CB	ASN	Δ	536	-75.54	2 6.637	74.171	1 00	23.27
4327	CG	ASN			-75.95				23.12
4328	OD1	ASN			-75.94			1.00	24.61
4329	ND2	ASN			-76.30			1.00	24.77
4330	С	ASN			-74.23				23.67
4331	ō	ASN			-74.44			1.00	24.61
4332	N			537	-73.09			1.00	
4333	CA	TRP			-71.95			1.00	22.74
4334	CB			537	-70.85			1.00	22.48
4335	CG			537	-69.57				22.46
4336	CD1	TRP			-68.95			1.00	22.69
4337	NE1			537	-67.73				21.09
4338	CE2	TRP			-67.53				21.17
4339	CD2	TRP			-68.69			1.00	21.98
4340	CE3	TRP			-68.73				20.10
4341	CZ3	TRP			-67.68		3 70.527	1.00	20.95
4342	CH2	TRP			-66.55			1.00	22.34
4343	CZ2	TRP			-66.46			1.00	18.72
4344	С	TRP	Α	537	-72.34	6 8.138	70.989	1.00	22.41
4345	0	TRP	Α	537	-71.95	6 9.001	70.194	1.00	22.36
4346	N	ALA	Α	538	-73.08	6 7.098	70.621	1.00	21.66
4347	CA	ALA	Α	538	-73.54	6 6.952	69.234	1.00	22.46
4348	CB	ALA			-74.38				21.75
4349	C	ALA			-74.35			1.00	
4350	0	ALA	Α	538	-74.25	9 8.606	67.626	1.00	23.16
4351	N	THR	Α	539	-75.13	9 8.762	69.681	1.00	23.35
4352	CA	THR	Α	539	-75.88	1 9.972	69.340	1.00	24.60
4353	CB	THR	Α	539	-76.60	4 10.534	70.559	1.00	24.65
4354	OG1	THR	Α	539	-77.30	9.493	3 71.232	1.00	23.63
4355	CG2	THR	Α	539	-77.68	0 11.492	70.106	1.00	25.07
4356	C	THR			-74.92	5 11.050	68.851	1.00	25.20
4357	0	THR	Α	539	-75.17	4 11.709	67.823	1.00	25.06
4358	N	TYR	Α	540	-73.83	4 11.225	69.598	1.00	25.14
4359	CA	TYR	Α	540	-72.79	6 12.190		1.00	25.58
4360	CB	TYR	Α	540	-71.78			1.00	25.49
4361	CG	TYR	Α	540	-70.38	9 12.592	69.877	1.00	26.80
4362	CD1	TYR	Α	540	-69.41	1 11.604	69.993	1.00	27.83
4363	CE1	TYR	Α	540	-68.13		69.515	1.00	28.04
4364	CZ	TYR			-67.84			1.00	30.52
4365	OH	TYR	Α	540	-66.58	9 13.284	8.395	1.00	31.52
4366	CE2	TYR			-68.81			1.00	28.42
4367	CD2			540	-70.05			1.00	27.18
4368	C	TYR			-72.07				25.78
4369	0	TYR			-71.93			1.00	25.81
4370	N	LEU			-71.59				26.96
4371	CA	LEU			-70.89			1.00	27.12
4372	CB	LEU			-70.49			1.00	27.08
4373	CG	LEU			-69.50			1.00	26.42
4374	CD1	LEU			-69.29			1.00	23.43
4375	CD2	LEU			-68.18				23.14
4376	C	LEU	Α	541	-71.83	6 10.411	65.430	1.00	27.84

FIGURE 3 CH

A	В	C	D	E	F		G	Н		1	J
4000				- 43			0.50		0		00 40
4377	0	LEU			-71.4		.853	64.3			27.48
4378	N	ALA			-73.1		.125	65.6		1.00	28.30
4379	CA	ALA			-74.1		.352	64.6			29.47
4380	CB	ALA			-75.3		.549	64.9		1.00	28.86
4381	C	ALA			-74.4		.866	64.4		1.00	30.18
4382	0	ALA			-74.3		.373	63.3		1.00	30.01
4383	N	SER			-74.8		.565	65.4		1.00	30.73
4384	CA	SER			-75.1		.964	65.3		1.00	31.65
4385	CB	SER			-75.7		.473	66.6		1.00	31.70
4386	OG	SER			-75.8		.877	66.6		1.00	34.90
4387	C	SER			-74.0		.847	64.9		1.00	31.73
4388	0			543	-74.1		.607	63.9		1.00	31.61
4389	N	THR			-72.8		.719	65.5		1.00	31.83
4390	CA	THR			-71.7		.573	65.2		1.00	31.83
4391	CB	THR			-70.9		.979	66.5		1.00	31.65
4392	OG1	THR			-71.9		.668	67.4		1.00	33.07
4393	CG2	THR			-69.9		.999	66.2		1.00	31.61
4394	C	THR			-70.6		.051	64.2		1.00	31.45
4395	0	THR			-70.2		.777	63.3		1.00	30.92
4396	N	GLU			-70.2		.806	64.3		1.00	31.31
4397	CA	GLU			-69.2		.351	63.4		1.00	30.80
4398	CB	GLU			-68.2		.348	64.1		1.00	30.72
4399	CG	GLU			-67.7		.799	65.4		1.00	30.89
4400	CD	GLU			-67.0		.130	65.4		1.00	32.37
4401	OE1	GLU			-66.8		.781	66.4		1.00	33.28
4402	OE2	GLU			-66.5		.506	64.3		1.00	30.39
4403	С	GLU			-69.7		.793	62.1		1.00	30.42
4404	0	GLU			-69.0		.460	61.2		1.00	30.29
4405	N	ASN			-71.1		.700	62.0		1.00	30.63
4406	CA	ASN			-71.7		.130	60.8		1.00	30.52
4407	CB	ASN			-71.4		.942	59.5		1.00	31.73
4408	CG	ASN			-72.1		.285	59.5		1.00	34.27
4409	OD1	ASN			-71.5		.324	59.3		1.00	38.86
4410	ND2	ASN			-73.4		.277	59.8		1.00	35.24
4411	C	ASN			-71.4		.667	60.5			29.32
4412	0	ASN			-71.3		.247	59.4		1.00	29.52
4413	N	ILE			-71.2		.890	61.6		1.00	27.84
4414	CA	ILE			-70.9		.482	61.4		1.00	26.64
4415	CB			547	-69.9		.034	62.5		1.00	26.27
4416	CG1			547	-68.5		.719	62.2			26.48
4417	CD1			547	-67.6		.765	63.4		1.00	26.42
4418 4419	CG2			547 547	-69.7		.518	62.5			24.99
	C				-72.2						
4420 4421	0	ILE			-72.9		.939	62.5			26.13
	N				-72.5 -73.6			60.7			25.24
4422 4423	CA CB	ILE		548	-74.0		.804	61.0 59.7		1.00	24.49
4423	CG1			548	-74.0		.965	58.6		1.00	24.32
4425	CD1			548	-74.3		.394	57.2		1.00	24.32
4425	CG2			548	-74.4			60.1			21.57
4427	C			548	-73.1		.003	62.0			24.50
442/	C	TPR	H	248	-/3.1	19 4	.003	02.0	LOT	1.00	24.50

FIGURE 3 CI

4428 O	A	В	C	D	Е	F	G	H	I	J
4429 N VAL A 549 —73.853 4.616 63.125 1.00 25.27 4431 CR VAL A 549 —73.853 4.616 63.125 1.00 25.27 4431 CB VAL A 549 —73.106 55.599 66.570 1.00 26.59 4433 CC VAL A 549 —73.347 3.222 66.589 1.00 26.59 4435 C VAL A 549 —75.598 2.774 64.634 1.00 26.57 4436 N ALA A 550 —74.975 1.333 63.762 1.00 26.64 4437 CA ALA A 550 —74.866 —0.307 62.236 1.00 25.10 4440 O ALA A 550 —74.869 —0.831 64.662 1.00 25.50 4441 N SER A 551 —75.911 —1.618 64.883 1.00 25.55 4441 C <td>4428</td> <td>0</td> <td>ILE</td> <td>А</td> <td>548</td> <td>-72.060</td> <td>4.207</td> <td>61.885</td> <td>1.00</td> <td>24.29</td>	4428	0	ILE	А	548	-72.060	4.207	61.885	1.00	24.29
4430 CR VAL A 549 -73.409 3.599 64.062 1.00 26.24 4431 CR VAL A 549 -72.855 4.126 65.404 1.00 26.50 4432 CG1 VAL A 549 -73.106 5.599 65.570 1.00 26.55 4434 CV VAL A 549 -74.476 2.539 64.188 1.00 26.59 4435 O VAL A 549 -74.476 2.539 64.188 1.00 26.69 4437 CA ALA A 550 -74.095 1.333 36.782 1.00 26.59 4438 CB ALA A 550 -75.041 0.273 63.255 1.00 25.36 4440 ALA A 550 -74.859 -0.831 66.22 1.00 25.53 4441 N SER A 551 -75.911 -1.618 64.883 1.00 25.56 4442 CA SER A 551 -75.648 -2.777 65.245 1.00 25.56 4443 CB SER A 551 -75.684 -2.771 65.79 65.245 <										
4431 CB VAL A 549 -72.850 4.126 65.404 1.00 26.50 4433 CG2 VAL A 549 -73.347 3.282 66.589 1.00 26.55 4435 C VAL A 549 -73.347 3.282 66.589 1.00 26.57 4435 O VAL A 549 -75.598 2.774 64.634 1.00 26.97 4436 N ALA A 550 -75.041 0.273 63.625 1.00 26.46 4438 CB ALA A 550 -74.866 -0.307 62.236 1.00 25.10 4439 C ALA A 550 -74.865 -0.307 62.236 1.00 25.50 4441 N SER A 551 -75.911 -1.618 64.883 1.00 25.55 4442 CA SER A 551 -75.848 -2.771 65.780 1.00 25.50 4442 CA SER A 551 -75.888 -2.711 65.780 1.00 25.60 4444 CB SER A 551 -76.385 -2.448 67.167										
4443 CC VAL A 549										
4433 CC VAL A 549 -73.347 3.282 66.589 1.00 25.59 4435 C VAL A 549 -74.746 2.539 64.188 1.00 26.57 4435 O VAL A 549 -75.598 2.774 64.634 1.00 26.57 4436 N ALA A 550 -75.598 2.774 64.634 1.00 26.46 4438 C ALA A 550 -74.895 -0.831 64.622 1.00 25.10 4440 O ALA A 550 -74.895 -0.831 64.662 1.00 25.50 4441 N SER A 551 -75.819 -0.831 64.662 1.00 25.55 4442 CA SER A 551 -75.848 -2.771 65.760 1.00 25.80 4443 CB SER A 551 -75.605 -1.427 67.767 1.00 25.60 4444 OG SER A 551 -76.639 -3.899 64.126 1.00 25.56 4445 C SER A 551 -76.635 -1.427 67.767 1.										
44445 C VAL A 549 -74.476 2.539 64.188 1.00 26.57 4445 O VAL A 549 -75.598 2.774 64.634 1.00 26.99 4436 N ALA A 550 -74.995 1.333 63.782 1.00 26.46 4437 CA ALA A 550 -74.866 -0.307 62.236 1.00 25.36 4438 CB ALA A 550 -74.859 -0.831 66.262 1.00 25.56 4440 O ALA A 550 -73.787 -0.974 65.245 1.00 25.56 4441 N SER A 551 -75.911 -1.618 66.283 1.00 25.67 4442 CA SER A 551 -75.911 -1.618 64.883 1.00 25.63 4444 OS SER A 551 -76.385 -2.448 67.169 1.00 25.63 4444 OS SER A 551 -76.639 -3.899 65.148 1.00 25.66 4445 OS SER A 551 -76.639 -3.899 65.426 1.00 25.56 4445 OS SER A 551 -76.852 -6.229 64.729 1.00 25.93 <td></td>										
4435 O VAL A 549 —75.598 2.774 64.634 1.00 26.99 4437 CA ALA A 550 —74.995 1.333 63.782 1.00 26.46 4438 CB ALA A 550 —74.866 —0.307 62.236 1.00 25.36 4440 C ALA A 550 —74.869 —0.831 64.662 1.00 25.55 4440 O ALA A 550 —73.787 —0.974 65.245 1.00 25.55 4441 N SER A 551 —75.848 —2.771 65.780 1.00 25.80 4444 CG SER A 551 —75.688 —2.748 67.160 1.00 25.63 4444 CG SER A 551 —75.605 —1.427 67.767 1.00 26.99 4445 C SER A 551 —76.633 —3.89 65.148 1.00 25.65 4447 N<										
4446 N ALA A 550 -74.095 1.333 63.782 1.00 26.46 4447 CA ALA A 550 -75.041 0.273 63.625 1.00 25.36 4489 CB ALA A 550 -74.866 -0.307 62.236 1.00 25.10 4440 O ALA A 550 -74.859 -0.831 66.625 1.00 25.50 4441 N SER A 551 -75.911 -1.618 66.2845 1.00 25.56 4444 CA SER A 551 -75.848 -2.771 65.780 1.00 25.63 4444 O GE SER A 551 -76.385 -2.448 67.169 1.00 25.63 4444 O G SER A 551 -76.635 -1.427 67.767 1.00 25.56 4444 O C SER A 551 -76.639 -3.899 65.148 1.00 25.66 4445 O SER A 551 -76.639 -3.899 66.146 1.00 26.95 4448 CA PHE A 552 -76.510 -77.739 64.261 1.00 26.95 4445 CE PHE A 552 -76.510 -77										
4437 CA ALA A 550 -75.041 0.273 63.625 1.00 25.36 4438 CB ALA A 550 -74.859 -0.831 64.662 1.00 25.10 4439 C ALA A 550 -74.859 -0.831 64.662 1.00 25.58 4440 O ALA A 550 -75.911 -1.618 64.862 1.00 25.55 4444 N SER A 551 -75.911 -1.618 64.883 1.00 25.80 4444 OG SER A 551 -75.848 -2.771 65.780 1.00 25.80 4444 OG SER A 551 -76.639 -3.899 65.148 67.169 1.00 25.69 4444 OG SER A 551 -76.639 -3.899 65.148 1.00 25.69 4445 C SER A 551 -76.036 -1.427 67.767 1.00 25.55 4447 N PHE A 552 -76.233 -5.119 65.415 1.00 25.69 4447 N PHE A 552 -76.036 -3.679 <t< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></t<>										
4438 CB ALA A 550 -74.866 -0.307 62.236 1.00 25.10 4449 C ALA A 550 -74.865 -0.831 64.662 1.00 25.84 4440 O ALA A 550 -73.787 -0.974 65.245 1.00 25.55 4441 N SER A 551 -75.911 -16.88 1.00 25.63 4443 CB SER A 551 -76.385 -2.448 67.169 1.00 25.63 4444 CG SER A 551 -76.635 -1.427 67.676 1.00 25.95 4444 CG SER A 551 -76.635 -1.427 67.676 1.00 25.95 44445 C SER A 551 -76.639 -3.899 66.148 1.00 25.66 44446 O SER A 551 -76.633 -5.119 66.426 1.00 25.55 44440 CB PHE A 552 -76.233 -5.119 66.426 1.00 25.93 4448 CA PHE A 552 -76.510 -7.723 61.863 1.00 25.93										
44490 C ALA A 550 -74.859 -0.831 64.662 1.00 25.84 4440 N ALA A 550 -73.878 -0.974 65.245 1.00 25.86 4441 N SER A 551 -75.911 -1.618 64.883 1.00 25.80 4442 CR SER A 551 -75.848 -2.771 65.767 1.00 25.80 4444 OG SER A 551 -76.639 -1.427 67.767 1.00 26.99 4444 OG SER A 551 -76.639 -3.899 65.148 1.00 25.69 4444 O SER A 551 -76.639 -3.899 65.148 1.00 25.66 4444 N PHE A 552 -76.639 -3.679 64.262 1.00 25.61 4444 N PHE A 552 -76.036 -6.29 64.729 1.00 23.89 4450 CB PHE A 552 -76.506 -6.571 63.486 1.00 22.93										
44401 N O ALA A 550 -73.787 -0.974 65.245 1.00 25.55 4441 N N SER A 551 -75.848 -2.771 65.780 1.00 25.67 4442 CA SER A 551 -75.848 -2.771 65.780 1.00 25.60 4444 CO SER A 551 -75.605 -1.427 67.767 1.00 25.63 4444 CO SER A 551 -76.605 -1.427 67.767 1.00 26.99 4444 CO SER A 551 -76.639 -3.899 66.426 1.00 26.99 4444 CO SER A 551 -76.635 -3.619 66.426 1.00 26.99 4448 CA PHE A 552 -76.852 -6.229 64.729 1.00 23.92 4448 CA PHE A 552 -76.852 -6.271 63.466 1.00 22.93 4450 CE PHE A 552 -76.610 -7.723 61.863 1.00 23.12 4451 CDI PHE A 552 -77.566 -7.723 61.863 1.00 23.12 4452 CEI PHE A 552 -77.326 -10.68 61.406 </td <td></td>										
4441 N SER A 551 -75.911 -1.618 64.883 1.00 25.67 4442 CA SER A 551 -75.848 -2.771 65.780 1.00 25.63 4444 OC SER A 551 -76.385 -2.448 67.169 1.00 25.63 4444 OC SER A 551 -76.639 -3.899 65.148 1.00 25.63 4444 OC SER A 551 -76.639 -3.899 65.148 1.00 25.63 4444 N PHE A 552 -76.639 -3.679 64.426 1.00 26.15 4448 CA PHE A 552 -76.852 -6.229 64.729 1.00 23.89 4449 CB PHE A 552 -76.852 -6.229 64.729 1.00 23.89 4450 CG PHE A 552 -76.510 -7.733 62.761 1.00 22.92 4451 CD1 PHE A 552 -77.566 -77.733 61.863 1.00 22.92 4452 CE1 PHE A 552 -77.566 -77.733 61.946 1.00 22.93 4453 CZ PHE A 552 -77.326 -10.068 61.406 1.00 22.93 4454 CE2 PHE A 552 -77.326 -10.068 61.406 1.00 22.93 4455 CD2 PHE A 552 -77.326 -10.068 61.406 1.00 22.93 4454 CE2 PHE A 552 -77.326 -10.068 61.406 1.00 22.93 4455 CD2 PHE A 552 -77.326 -10.068 61.406 1.00 22.93 4456 C PHE A 552 -77.326 -10.068 61.406 1.00 22.93 4458 N A SPA 553 -78.432 -9.135 66.844 1.00 23.33 4460 CB ASP A 553 -79.772 -7.425 65.656 1.00 23.69 4461 CG ASP A 553 -79.772 -7.697 65.406 1.00 23.93 4460 CB ASP A 553 -79.772 -7.697 66.846 1.00 22.94 4461 CG ASP A 553 -79.772 -7.697 66.846 1.00 23.33 4460 CB ASP A 553 -79.772 -7.697 66.846 1.00 23.34 4460 CB ASP A 553 -79.772 -7.697 66.866 1.00 23.69 4460 CD ASP A 553 -79.772 -7.697 66.866 1.00 23.69 4460 CB ASP A 553 -79.772 -7.697 66.866 1.00 23.94 4460 CB ASP A 553 -79.772 -7.429 66.666 1.00 23.93 4460 CB ASP A 553 -79.772 -7.429 66.866 1.00 23.93 4460 CB ASP A 553 -79.772 -7.429 66.866 1.00 23.93 4460 CB ASP A 553 -79.772 -7.429 66.866 1.00 23.93 4460 CB ASP A 553 -79.772 -7.599 65.666 1.00 23.93 4460 CB ASP A 553 -79.772 -7.599 65.666 1.00 23.93 4460 CB ASP A 553 -79.792 -7.599 65.666 1.00 23.11 4470 N A GR A 555 -77.458 -13.510 66.861 1.00 24.71 4471 NH1 ARG A 555 -77.342 -11.946 65.866 1.00 23.10 4471 NH1 ARG A 555 -77.641 -18.823 66.399 1.00 22.74 4477 NH1 ARG A 555 -77.606 -17.497 -19.929 65.611.10 1.00 12.08										
4442 CA SER A 551 -75.848 -2.771 65.780 1.00 25.80 4443 CB SER A 551 -75.868 -2.771 65.780 1.00 25.80 4444 CG SER A 551 -75.605 -1.427 67.767 1.00 25.69 4444 C SER A 551 -76.639 -3.679 65.428 1.00 25.66 4447 N PHE A 552 -76.233 -5.119 65.455 1.00 25.15 4448 CA PHE A 552 -76.852 -6.229 64.729 1.00 23.93 4450 CE PHE A 552 -76.036 -6.571 63.466 1.00 22.93 4451 CDI PHE A 552 -77.606 -7.723 61.863 1.00 22.93 4452 CEI PHE A 552 -77.626 -7.723 61.863 1.00 23.12 4453 CE PHE A 552 -77.826 65.656 1.00 20.98										
44443 CB SER A 551 -76.385 -2.448 67.169 1.00 25.63 4445 CG SER A 551 -75.605 -14.27 67.767 1.00 25.69 4445 C SER A 551 -76.605 -1.427 67.767 1.00 25.69 4446 O SER A 551 -77.605 -3.899 65.148 1.00 25.61 4444 N PHE A 552 -76.233 -5.119 66.415 1.00 25.15 4448 CB PHE A 552 -76.852 -6.229 64.729 1.00 23.89 4450 CB PHE A 552 -76.510 -7.793 62.761 1.00 22.92 4451 CDI PHE A 552 -77.326 -10.068 61.406 1.00 23.12 4453 CZ PHE A 552 -77.326 -10.068 61.406 1.00 23.92 4455										
4444 OG SBR A 551 -75.605 -1.427 67.767 1.00 25.69 4445 C SBR A 551 -76.639 -3.899 65.148 1.00 25.66 4446 O SBR A 551 -77.605 -3.679 64.426 1.00 25.15 4447 N PHE A 552 -76.233 -5.119 65.145 1.00 25.15 4448 CA PHE A 552 -76.036 -6.571 63.466 1.00 22.93 4445 CB PHE A 552 -76.036 -6.571 63.466 1.00 22.93 4451 CDI PHE A 552 -77.566 -7.723 61.863 1.00 23.12 4452 CEI PHE A 552 -77.566 -7.723 61.863 1.00 23.12 4453 CZ PHE A 552 -77.826 -10.068 61.406 1.00 20.98 4454 CZE PHE A 552 -77.826 -10.068 61.406 1.00 20.98 4455 CD PHE A 552 -77.880 -9.003 62.940 1.00 19.74 4455 CD PHE A 552 -76.973 -7.425 65.566 1.00 23.86 4457 O PHE A 552 -76.973 -7.425 66.366 1.00 22.95 4458 D<										
44446 C C SER A 551 -76.639 -3.899 66.148 1.00 25.66 4444 O N PHE A 552 -76.233 -51.19 66.426 1.00 26.15 4448 C C PHE A 552 -76.233 -51.19 65.415 1.00 25.15 4449 C C PHE A 552 -76.852 -6.229 64.729 1.00 23.93 4450 C C PHE A 552 -76.516 -7.733 62.761 1.00 22.92 4451 CDI PHE A 552 -77.566 -7.7733 61.863 1.00 23.52 4453 C CEI PHE A 552 -77.982 -8.855 61.194 1.00 23.52 4455 CEJ PHE A 552 -77.326 -10.068 61.406 1.00 20.93 4455 CEJ PHE A 552 -77.326 -10.027 62.271 1.00 19.73 4455 CD PHE A 552 -76.282 -10.127 62.271 1.00 19.73 4455 CD PHE A 552 -76.972 -7.425 66.366 1.00 23.86 4457 O PHE A 552 -76.972 -7.425 66.366 1.00 23.93 4458 O C PHE										
4446 O SER A 551 -77.605 -3.679 64.426 1.00 26.15 4447 N PHE A 552 -76.233 -5.119 65.415 1.00 25.15 4448 CA PHE A 552 -76.852 -6.229 64.729 1.00 23.89 4449 CB PHE A 552 -76.036 -6.511 63.486 1.00 22.93 4451 CDI PHE A 552 -76.510 -7.733 62.761 1.00 22.92 4451 CDI PHE A 552 -77.566 -7.723 61.863 1.00 23.12 4453 CE PHE A 552 -77.326 -10.068 61.406 1.00 23.52 4453 CE PHE A 552 -77.326 -10.068 61.406 1.00 29.98 4454 CE PHE A 552 -76.972 -7.425 65.656 1.00 19.73 4455 CD PHE A 552 -76.972 -7.425 65.656 1.00 23.86 4455 CD PHE A 552 -76.972 -7.425 65.656 1.00 23.86 4457 O PHE A 552 -76.972 -7.425 65.656 1.00 23.23 4458 C O PHE A 552 -76.972 -7.425 65.656 1.00 23.23										
4447 N PHE A 552 -76.233 -5.119 65.415 1.00 25.15 4448 CA PHE A 552 -76.852 -6.229 64.729 1.00 23.89 4449 CB PHE A 552 -76.516 -7.733 62.761 1.00 22.92 4450 CC PHE A 552 -77.566 -7.723 61.863 1.00 23.12 4451 CD1 PHE A 552 -77.982 -8.855 61.94 1.00 23.52 4452 CE1 PHE A 552 -77.982 -10.068 61.406 1.00 20.98 4453 CZ PHE A 552 -77.982 -10.027 62.271 1.00 19.73 4455 CD2 PHE A 552 -76.982 -10.127 62.271 1.00 19.73 4455 CD2 PHE A 552 -76.972 -7.425 66.366 1.00 23.86 4457 O PHE A 552 -76.972 -7.425 66.366 1.00 23.93 4458 N ASP A 553 -78.165 -7.999 65.666 1.00 23.23 4465 CD PHE A 552 -76.972 -7.425 66.366 1.00 23.23 4459 CA ASP A 553 -78.165 -7.999 65.666 1.00 23.23 4460 CB ASP A 553 -79.772 -8.961 67.171 1.00 22.95 4461 CG ASP A 553 -79.765 -7.861 68.251										
4448 CA PHE A 552 -76.852 -6.229 64.729 1.00 23.89 4449 CB PHE A 552 -76.036 -6.571 63.486 1.00 22.93 4450 CG PHE A 552 -76.036 -6.571 63.486 1.00 22.93 4451 CD1 PHE A 552 -77.566 -77.733 62.761 1.00 22.92 4453 CE PHE A 552 -77.982 -8.855 61.194 1.00 23.52 4453 CE PHE A 552 -77.326 -10.068 61.406 1.00 23.52 4454 CE PHE A 552 -75.880 -9.003 62.940 1.00 19.74 4455 CD PHE A 552 -75.880 -9.003 62.940 1.00 19.74 4455 C PHE A 552 -76.033 -7.782 66.366 1.00 23.23 4450 C PHE A 552 -76.033 -7.792 66.366 1.00 23.23 4455 C PHE A 553 -78.165 -7.999 65.666 1.00 23.23 4450 C ASP A 553 -79.772 -8.961 67.171										
4449 CB PHE A 552 -76.036 -6.571 63.486 1.00 22.93 4450 CB PHE A 552 -76.510 -7.793 62.761 1.00 22.93 4451 CDI PHE A 552 -77.566 -7.723 61.863 1.00 23.12 4452 CEI PHE A 552 -77.366 -10.068 61.406 1.00 23.52 4454 CE2 PHE A 552 -77.326 -10.068 61.406 1.00 20.98 4455 CE2 PHE A 552 -76.282 -10.127 62.271 1.00 19.73 4456 CE PHE A 552 -76.982 -7.425 66.366 1.00 23.86 4457 O PHE A 552 -76.972 -7.425 66.366 1.00 23.86 4458 N ASP A 553 -78.165 -7.999 66.366 1.00 23.86 4459 O PHE A 552 -76.033 -7.789 66.366 1.00 23.23 4460 CB ASP A 553 -78.165 -7.999 65.666 1.00 23.23 4461 CG ASP A 553 -79.772 -8.961 67.711 1.										
4450 CG PHE A 552 -76.510 -7.7.93 62.761 1.00 22.92 4451 CDI PHE A 552 -77.566 -7.723 61.863 1.00 23.12 4452 CEI PHE A 552 -77.326 -10.068 61.194 1.00 23.52 4453 CZ PHE A 552 -77.326 -10.068 61.106 1.00 20.98 4455 CD PHE A 552 -75.880 -9.003 62.940 1.00 19.74 4455 CD PHE A 552 -76.033 -7.722 65.656 1.00 22.69 4457 O PHE A 552 -76.033 -7.782 65.656 1.00 22.69 4458 N ASP A 553 -78.432 -9.135 65.661 1.00 22.69 4459 CA ASP A 553 -79.772 -7.425 65.666 1.00 22.23 4450 CB ASP A 553 -79.765 -7.896 67.711 1.00 23										
4451 CD1 PHE A 552 -77.566 -7.7.23 61.863 1.00 23.12 4452 CB PHE A 552 -77.892 -8.855 61.194 1.00 23.52 4453 CZ PHE A 552 -77.326 -10.068 61.406 1.00 20.98 4454 CE2 PHE A 552 -76.282 -10.068 61.406 1.00 20.98 4455 CD2 PHE A 552 -76.282 -10.073 62.940 1.00 19.73 4456 C PHE A 552 -76.972 -7.425 65.566 1.00 23.66 4457 OPHE A 552 -76.972 -7.425 66.366 1.00 23.69 4459 CA ASP A 553 -78.165 -7.999 65.666 1.00 23.23 4460 CB ASP A 553 -78.165 -7.999 65.666 1.00 23.23 4460 CB ASP A 553 -78.165 -7.999 65.666 1.00 23.24 4461 CG ASP A 553 -79.772 -8.961 67.171 1.00 22.96 4461 CG ASP A 553 -79.772 -8.961 68.211 1.00 24.94 4462 OD1 ASP A 553 -78.462 -7.518 68.751 1.00 22.95 4466 OD2 ASP A 553 -78.462 -7.518 68.751 1.00 22.95 4466 OD2 ASP A 553 -78.444 -10.385 65.602 1.00 23.14 4466 N GASP A 553 -79.450 -10.696 64.999 1.00 23.44 4466 N GLY A 554 -77.324 -11.094 65.866 1.00 23.01 4468 C GLY A 554 -77.324 -11.094 65.866 1.00 23.01 4469 O GLY A 554 -77.324 -11.094 65.866 1.00 23.01 4467 N N ARG A 555 -76.425 -13.475 66.636 1.00 24.71 4470 N ARG A 555 -76.825 -14.605 65.271 1.00 22.74 4471 CA ARG A 555 -76.422 -15.828 66.099 1.00 23.44 4471 CA ARG A 555 -76.412 -18.535 63.298 1.00 22.04 4474 CD ARG A 555 -76.412 -18.535 63.298 1.00 22.04 4474 CD ARG A 555 -76.412 -18.535 63.298 1.00 22.04 4474 CD ARG A 555 -76.412 -18.535 63.298 1.00 22.04 4475 NH ARG A 555 -74.609 -17.432 64.085 1.00 22.08 4474 CD ARG A 555 -76.412 -18.535 63.298 1.00 22.06 4477 NH1 ARG A 555 -74.609 -17.432 64.085 1.00 22.08 4474 NH1 ARG A 555 -74.609 -17.432 64.085 1.00 22.08 4477 NH1 ARG A 555 -74.609 -17.432 64.085 1.00 22.08										
4452 CE1 PHE A 552 -77.982 -8.855 61.194 1.00 23.52 4453 CZ PHE A 552 -77.326 -10.066 61.406 1.00 20.98 4454 CE2 PHE A 552 -76.282 -10.127 62.271 1.00 19.74 4455 CD2 PHE A 552 -75.880 -9.003 62.940 1.00 19.74 4457 O PHE A 552 -76.937 -7.782 66.566 1.00 23.66 4458 N ASP A 553 -78.165 -7.792 65.666 1.00 22.69 4459 CA ASP A 553 -78.432 -9.135 66.484 1.00 23.30 4450 CB ASP A 553 -79.772 -8.961 67.171 1.00 22.96 4460 CB ASP A 553 -79.772 -8.961 67.171 1.00 22.96 4461 CG ASP A 553 -79.772 -8.961 67.171 1.00 22.96 4463 ODZ ASP A 553 -79.772 -7.588 66.211										
4453 CZ PHE A 552 -77.326 -10.068 61.406 1.00 20.98 4454 CEZ PHE A 552 -75.282 -10.127 62.271 1.00 19.73 4455 CDZ PHE A 552 -75.880 -9.003 62.940 1.00 19.74 4457 O PHE A 552 -76.972 -74.25 65.566 1.00 22.38 4458 N ASP A 553 -78.165 -7.999 65.666 1.00 22.69 4458 O ASP A 553 -78.165 -7.999 66.486 1.00 23.03 4460 CB ASP A 553 -79.772 -8.961 67.171 1.00 22.96 4461 CG ASP A 553 -79.776 -7.589 68.567 1.00 22.95 4462 ODI ASP A 553 -79.772 -7.589 68.567 1.00 24.92 4463 ODZ ASP A 553 -79.780 -7.581 68.211 1.00 24.34 4464 C ASP A 553 -79.450 -7.581 68.251 1.00 23.11 4465 O ASP A 553 -79.450 -7.581 68.251 1.00 23.11 4466 N GLY A 5										
4454 CB2 CB2 PHE A 552 -76.282 -10.127 62.271 1.00 19.73 4455 CD2 CD2 PHE A 552 -75.880 -9.003 62.940 1.00 19.74 4456 C PHE A 552 -76.033 -7.782 65.656 1.00 23.26 4457 O PHE A 552 -76.033 -7.782 65.666 1.00 23.28 4458 N ASP A 553 -78.165 -7.999 65.666 1.00 23.23 4459 CA ASP A 553 -78.432 -9.135 66.484 1.00 23.90 4461 CG ASP A 553 -79.772 -8.961 67.171 1.00 22.96 4461 CG ASP A 553 -79.765 -7.861 68.211 1.00 24.54 4462 OD1 ASP A 553 -80.830 -7.297 68.565 1.00 22.95 4463 OD2 ASP A 553 -80.830 -7.297 68.565 1.00 22.95 4465 O ASP A 553 -78.444 -10.385 65.602 1.00 23.11 4466 N GLY A 554 -77.202 -12.304 64.804 1.00 23.01 4467 CA GLY A 554 -77.324 -11.094 65.566 1.00 22.92 4468 C GLY A 554 -77.202 -12.304 64.804 1.00 23.11 4469 O GLY A 554 -77.81 -78.190 65.656 1.00 23.19 4470 N ARG A 555 -76.852 -14.605 65.271 1.00 22.95 4471 CA ARG A 555 -76.412										
4455 CD PHE A 552 -75.880 -9.003 62.940 1.00 19.74 4456 C PHE A 552 -76.037 -77.22 65.656 1.00 23.66 4457 O PHE A 552 -76.033 -7.782 66.366 1.00 22.69 4458 N ASP A 553 -78.165 -7.999 66.666 1.00 23.23 4460 CB ASP A 553 -79.772 -8.961 67.171 1.00 22.96 4461 CG ASP A 553 -79.772 -8.961 68.211 1.00 22.96 4462 OD1 ASP A 553 -79.772 -8.961 68.211 1.00 22.95 4463 OD2 ASP A 553 -78.682 -7.518 68.511 1.00 22.94 4465 O ASP A 553 -78.482 -10.696 64.959 1.00 23.11 4467										
4456 C PHE 552 -76.972 -7.425 65.666 1.00 22.386 4458 N ASP A 553 -78.165 -7.999 66.366 1.00 22.69 4459 CA ASP A 553 -78.165 -7.999 65.666 1.00 22.33 4460 CB ASP A 553 -78.432 -9.135 66.484 1.00 22.30 4461 CG ASP A 553 -79.765 -7.861 66.211 1.00 22.34 4462 ODI ASP A 553 -78.682 -7.518 68.251 1.00 22.94 4465 O ASP A 553 -80.830 -7.297 68.565 1.00 22.45 4465 O ASP A 553 -78.444 10.385 66.695 1.00 22.14 4466 N G ASP A 553 -79										
4457 O PRE A 552 -76.033 -7.782 66.366 1.00 22.69 4458 N ASP A 553 -78.165 -7.99 65.666 1.00 23.23 4459 CA ASP A 553 -78.432 -9.135 66.484 1.00 23.33 4460 CB ASP A 553 -79.772 -8.961 67.171 1.00 22.96 4462 OD1 ASP A 553 -79.765 -7.518 68.211 1.00 22.95 4463 OD2 ASP A 553 -80.830 -7.297 68.565 1.00 22.95 4464 C ASP A 553 -78.682 -7.518 68.751 1.00 22.95 4465 O ASP A 553 -78.490 10.066 64.959 1.00 23.11 4465 O ASP A 553 -79.490 10.066 64.959 1.00 23.91 4467 Ca AGLY A 554 -77.324 -11.094 65.586 1.00 23.01 </td <td></td>										
4488 N ASP A 553 -78.165 -7.999 65.666 1.00 23.23 4469 CA ASP A 553 -79.772 -8.961 67.171 1.00 22.96 4461 CG ASP A 553 -79.772 -8.961 67.171 1.00 22.96 4462 OD1 ASP A 553 -78.682 -7.518 68.751 1.00 22.95 4463 OD2 ASP A 553 -78.484 -10.385 65.655 1.00 24.54 4465 O ASP A 553 -79.450 -60.830 -7.297 68.655 1.00 24.54 4466 O ASP A 553 -79.450 -10.696 64.959 1.00 23.44 4466 N GLY A 554 -77.241 -11.0696 65.602 1.00 23.11 4467 C GLY A 554 -77.548 13.510 65.661 1.00 22.95										
4459 CA ASP A 553 -78.432 -9.135 66.484 1.00 23.30 4461 CB ASP A 553 -79.772 -8.961 67.171 1.00 22.93 4462 OD1 ASP A 553 -79.765 -7.518 68.211 1.00 22.95 4463 OD2 ASP A 553 -80.830 -7.297 68.565 1.00 24.94 4465 C ASP A 553 -78.682 -7.518 68.515 1.00 22.93 4466 C ASP A 553 -78.495 -10.385 65.602 1.00 23.11 4465 O ASP A 553 -79.495 -10.696 64.959 1.00 23.11 4466 O ASP A 554 -77.202 -12.304 64.804 1.00 23.01 4467 C ARG A 554 -77.202 -12.304 64.804 1.00 23.01 4470										
4460 CB ASP A 553 -79.772 -8.961 67.171 1.00 22.96 4461 CG ASP A 553 -79.675 -7.816 68.211 1.00 22.95 4462 OD1 ASP A 553 -78.682 -7.518 68.751 1.00 22.95 4464 C ASP A 553 -78.444 -10.385 65.602 1.00 23.14 4466 N ASP A 553 -79.450 -10.696 64.959 1.00 23.14 4466 N GLY A 554 -77.224 -11.094 65.560 1.00 23.01 4467 C GLY A 554 -77.224 -12.304 64.804 1.00 23.01 4468 C GLY A 554 -77.22 -12.304 64.804 1.00 23.01 4470 N ARG A 555 -76.825 -14.605 66.271 1.00 22.95 4471										
4461 CG ASP A 553 -79.765 -7.861 68.211 1.00 24.34 4462 OD1 ASP A 553 -78.682 -7.518 68.755 1.00 24.54 4463 OD2 ASP A 553 -80.830 -7.277 68.565 1.00 24.54 4464 C ASP A 553 -78.444 -10.385 65.602 1.00 23.11 4465 O ASP A 553 -79.450 -10.696 64.959 1.00 23.41 4466 N GLY A 554 -77.324 -11.094 65.566 1.00 22.92 4467 CA GLY A 554 -77.324 -11.094 65.566 1.00 22.92 4469 C GLY A 554 -77.202 -12.304 64.804 1.00 23.01 4469 O GLY A 554 -77.458 -13.510 65.656 1.00 23.19 4470 N ARG A 555 -76.852 -14.605 65.271 1.00 22.95 4471 CA ARG A 555 -76.852 -14.605 65.271 1.00 22.95 4472 CB ARG A 555 -76.852 -14.605 65.271 1.00 22.95 4473 CG ARG A 555 -76.322 -16.959 65.298 1.00 22.74 4474 CD ARG A 555 -76.322 -16.959 65.298 1.00 22.04 4473 CG ARG A 555 -77.340 -17.7971 62.495 1.00 21.39 4474 CD ARG A 555 -75.340 -17.971 62.495 1.00 21.39 4475 NE ARG A 555 -74.609 -17.622 66.628 1.00 21.39										
4462 OD1 ASP A 553 -78.682 -7.518 68.751 1.00 22.95 4463 OD2 ASP A 553 -80.830 -7.297 68.565 1.00 24.95 4464 C ASP A 553 -78.444 -10.385 65.602 1.00 23.11 4466 N ASP A 553 -79.450 -10.636 64.959 1.00 23.44 4467 C GLY A 554 -77.324 -11.094 65.866 1.00 22.92 4468 C GLY A 554 -77.202 -12.304 64.804 1.00 23.01 4470 N ARG A 555 -78.190 -13.475 66.636 1.00 24.71 4471 C ARG A 555 -76.522 -14.605 66.271 1.00 22.95 4471 C ARG A 555 -77.042 -15.828 66.009 1.00 22.74 4471 C ARG A 555 -77.042 -15.828 66.009 1.00 22.										
4463 OD2 ASP A 553 -80.830 -7.297 68.565 1.00 24.54 4465 C ASP A 553 -78.444 -10.385 65.602 1.00 23.11 4466 N GLY A 554 -77.324 -11.094 65.566 1.00 22.92 4467 CA GLY A 554 -77.202 -12.304 64.804 1.00 23.19 4469 C GLY A 554 -77.458 -13.510 65.656 1.00 22.19 4471 C ARG A 555 -76.852 -14.605 65.271 1.00 23.19 4471 CA ARG A 555 -76.852 -14.605 65.271 1.00 22.92 4471 CA ARG A 555 -77.042 -15.828 66.090 1.00 22.71 4471 CA ARG A 555 -77.042 -15.828 66.099 1.00 22.64 4473										
4464 C ASP A 553 -78.444 -10.385 65.602 1.00 23.11 4465 O ASP A 553 -79.450 -10.696 64.959 1.00 23.41 4466 N GLY A 554 -77.324 -11.094 65.586 1.00 22.92 4467 C GLY A 554 -77.202 -12.304 64.804 1.00 23.01 4468 C GLY A 554 -77.458 -13.510 65.656 1.00 23.92 4470 N ARG A 555 -78.190 -13.475 66.636 1.00 24.71 4471 CA ARG A 555 -76.852 -14.605 65.271 1.00 22.93 4471 CA ARG A 555 -77.022 -15.828 66.099 1.00 22.74 4471 CA ARG A 555 -76.422 -16.959 65.298 1.00 22.64 4474 CD ARG A 555 -77.042 -15.828 66.099 1.00 22.64 4474 DD ARG A 555 -77.096 -17.432 64.085 1.00 22.64 4475 NE ARG A 555 -76.412 -18.535 63.298 1.00 22.64 4475 NE ARG A 555 -75.340 -17.971 62.495 1.00 23.03 4										
4465 O ASP A 553 -79.450 -10.696 64.959 1.00 23.44 4467 CA GLY A 554 -77.324 -11.094 65.586 1.00 23.01 4467 CA GLY A 554 -77.458 -13.510 65.656 1.00 23.19 4469 C GLY A 554 -78.190 -13.475 66.636 1.00 23.19 4470 N ARG A 555 -78.852 -14.605 66.221 1.00 22.95 4471 CA ARG A 555 -77.042 -15.828 66.009 1.00 22.74 4473 CG ARG A 555 -76.322 -16.959 65.298 1.00 22.64 4474 CD ARG A 555 -77.042 -15.828 66.009 1.00 22.64 4473 NE ARG A 555 -77.042 -17.432 64.085 1.00 22.64 4474 CD ARG A 555 -77.342 -19.636 63.298 1.00 21.39 4475 NE ARG A 555 -77.342 -19.791 62.495 1.00 21.39 4474 CD ARG A 555 -775.340 -17.971 62.495										
4466 N GLY A 554 -77.324 -11.094 65.586 1.00 22.92 4467 Ca GLY A 554 -77.202 -12.304 64.804 1.00 23.01 4468 C GLY A 554 -77.458 -13.510 65.656 1.00 23.19 4469 O GLY A 554 -78.190 -13.475 66.636 1.00 24.71 4470 N ARG A 555 -76.525 -14.605 65.271 1.00 22.92 4471 CA ARG A 555 -77.042 -15.828 66.099 1.00 22.74 4472 CB ARG A 555 -76.412 -18.528 66.099 1.00 22.04 4473 CB ARG A 555 -76.412 -18.535 63.298 1.00 22.64 4474 CD ARG A 555 -76.412 -18.535 63.298 1.00 21.05 4475 NE ARG A 555 -74.609 -18.628 61.615 1.00 21.39 4477 NH ARG A 555 -74.609 -18.628 61.615 1.00 21.39										
4467 CA GLY A 554 -77.202 -12.304 64.804 1.00 23.01 4468 C GLY A 554 -77.458 -13.510 65.656 1.00 23.19 4469 O GLY A 554 -78.190 -13.475 66.636 1.00 24.71 4470 N ARG A 555 -76.852 -14.605 65.271 1.00 22.95 4472 CB ARG A 555 -77.042 -15.828 66.009 1.00 22.40 4473 CB ARG A 555 -77.096 -17.432 66.085 1.00 22.64 4474 CD ARG A 555 -76.412 -18.535 63.298 1.00 21.39 4475 NE ARG A 555 -75.340 -17.971 62.495 1.00 21.39 4476 CZ ARG A 555 -74.609 -18.628 61.615 1.00 20.88 4477 NH1 ARG A 555 -74.797 -19.922 61.413 1.00 19.83										
4468 C GLY A 554 -77.458 -13.510 65.656 1.00 23.19 4470 N ARG A 555 -78.190 -13.475 66.636 1.00 24.71 4471 CA ARG A 555 -76.852 -14.605 65.271 1.00 22.95 4471 CA ARG A 555 -76.322 -16.959 65.298 1.00 22.04 4472 CB ARG A 555 -77.042 -15.828 66.099 1.00 22.74 4473 CG ARG A 555 -77.096 -17.432 64.085 1.00 22.64 4474 CD ARG A 555 -77.342 -18.533 63.298 1.00 21.39 4475 NE ARG A 555 -75.340 -17.971 62.495 1.00 21.39 4477 NH ARG A 555 -74.609 -18.628 61.615 1.00 20.88 4477 NH ARG A 555 -74.797 -19.922 61.413 1.00 19.83										
4469 O GLY A 554 -78.190 -13.475 66.636 1.00 24.71 4470 N ARG A 555 -76.852 -14.600 65.271 1.00 22.95 4471 Ca ARG A 555 -77.042 -15.828 66.099 1.00 22.74 4473 CC ARG A 555 -76.322 -16.959 65.298 1.00 22.64 4474 CD ARG A 555 -76.412 -18.535 63.298 1.00 22.06 4475 NE ARG A 555 -76.412 -18.535 63.298 1.00 22.06 4475 NE ARG A 555 -74.609 -18.628 61.615 1.00 22.98 4476 CZ ARG A 555 -74.609 -18.628 61.615 1.00 22.08 4477 NH ARG A 555 -74.797 -19.922 61.413 1.00 19.83										
4470 N ARG A 555 -76.852 -14.605 65.271 1.00 22.95 4471 CA ARG A 555 -77.042 -15.828 66.009 1.00 22.74 4472 CB ARG A 555 -76.322 -16.959 65.298 1.00 22.40 4473 CG ARG A 555 -77.096 -17.432 64.085 1.00 22.64 4474 CD ARG A 555 -76.312 -19.791 62.495 1.00 21.39 4475 NE ARG A 555 -75.340 -17.971 62.495 1.00 21.39 4477 NH ARG A 555 -74.609 -10.628 61.615 1.00 20.88 4477 NH ARG A 555 -74.797 -19.922 61.413 1.00 19.83										
4471 CA ARG A 555 -77.042 -15.828 66.009 1.00 22.74 4472 CB ARG A 555 -76.322 -16.959 65.298 1.00 22.04 4473 CG ARG A 555 -77.096 -17.432 64.085 1.00 22.64 4474 DL ARG A 555 -76.412 -18.535 63.298 1.00 21.05 4475 NE ARG A 555 -74.304 -17.971 62.495 1.00 21.05 4476 CZ ARG A 555 -74.609 -18.628 61.615 1.00 20.88 4477 NH ARG A 555 -74.797 -19.922 61.413 1.00 19.83										
4472 CB ARG A 555 -76.322 -16.959 65.298 1.00 22.40 4473 CG ARG A 555 -77.096 -17.432 64.085 1.00 22.64 4474 CD ARG A 555 -76.412 -18.535 63.298 1.00 21.05 4475 NE ARG A 555 -75.340 -17.971 62.495 1.00 21.39 4476 CZ ARG A 555 -74.609 -18.628 61.615 1.00 20.88 4477 NH1 ARG A 555 -74.797 -19.922 61.413 1.00 19.83										
4473 CG ARG A 555 -77.096 -17.432 64.085 1.00 22.64 4474 CD ARG A 555 -76.412 -18.535 63.298 1.00 21.05 4475 NE ARG A 555 -75.340 -17.971 62.495 1.00 21.03 4476 CZ ARG A 555 -74.609 -18.628 61.615 1.00 20.88 4477 NH ARG A 555 -74.797 -19.922 61.413 1.00 19.83										
4474 CD ARG A 555 -76.412 -18.535 63.298 1.00 21.05 4475 NE ARG A 555 -75.340 -17.971 62.495 1.00 21.39 4476 CZ ARG A 555 -74.609 -18.628 61.615 1.00 20.83 4477 NH1 ARG A 555 -74.797 -19.922 61.413 1.00 19.83										
4475 NE ARG A 555 -75.340 -17.971 62.495 1.00 21.39 4476 CZ ARG A 555 -74.609 -18.628 61.615 1.00 20.88 4477 NH1 ARG A 555 -74.797 -19.922 61.413 1.00 19.83										
4476 CZ ARG A 555 -74.609 -18.628 61.615 1.00 20.88 4477 NH1 ARG A 555 -74.797 -19.922 61.413 1.00 19.83										
4477 NH1 ARG A 555 -74.797 -19.922 61.413 1.00 19.83										
	4477									
	4478	NH2	ARG	Α	555	-73.660	-17.977	60.951	1.00	22.48

FIGURE 3 CJ

A	В	C	D	E	F	G	H	1	J
4479	С	ARG	70		76 540	-15.698	67.438	1 00	22.46
4480	0	ARG				-15.062	67.704		22.40
4481	N	GLY			-77.261		68.344		21.79
4482	CA	GLY				-16.274	69.752		22.02
4483	С	GLY				-15.169	70.399		22.15
4484	0	GLY				-15.150	71.614		22.08
4485	N			557		-14.248	69.581		22.09
4486	CA			557		-13.168	70.070		22.50
4487	CB			557		-12.109	68.983		22.77
4488	OG			557		-12.602	67.952		23.68
4489	С			557		-13.713	70.660		22.46
4490	0			557		-14.855	70.370		23.12
4491	N	GLY				-12.903	71.495		21.95
4492	CA	GLY				-13.372	72.244		21.91
4493	С	GLY				-12.908	71.794		22.32
4494	0	GLY				-12.138	70.843		22.48
4495	N	TYR				-13.428	72.485		22.60
4496	CA	TYR	Α	559	-85.936	-13.011	72.337	1.00	23.63
4497	CB	TYR				-11.519	72.619		23.18
4498	CG	TYR	Α	559	-85.309	-11.140	73.881	1.00	22.60
4499	CD1	TYR	Α	559	-84.093	-10.443	73.820	1.00	21.94
4500	CE1	TYR	Α	597	-83.414	-10.103	74.965	1.00	22.93
4501	CZ	TYR	Α	597	-83.944	-10.442	76.206	1.00	22.63
4502	OH	TYR	Α	597	-83.250	-10.095	77.353	1.00	25.67
4503	CE2	TYR	Α	597	-85.142	-11.122	76.293	1.00	20.25
4504	CD2	TYR	Α	597	-85.812	-11.484	75.126	1.00	19.76
4505	С	TYR	Α	597	-86.554	-13.362	71.007	1.00	24.02
4506	0	TYR	Α	597	-87.590	-12.798	70.612	1.00	24.15
4507	N	GLN	Α	598	-85.919	-14.307	70.320	1.00	24.09
4508	CA	GLN	Α	598	-86.393	-14.734	69.006	1.00	23.89
4509	CB	GLN				-14.205	67.913		23.48
4510	CG	GLN	Α	598	-85.151	-12.749	68.029	1.00	25.19
4511	CD	GLN				-12.393	67.462		25.22
4512	OE1	GLN	Α	598	-83.662	-12.141	66.275	1.00	25.93
4513	NE2	GLN	Α	598	-82.782	-12.350	68.314	1.00	25.78
4514	С	GLN				-16.259	68.938		23.85
4515	Ō	GLN				-16.844	67.859		24.91
4516	N	GLY				-16.906	70.089		23.84
4517	CA	GLY				-18.351	70.119		23.61
4518	C	GLY				-19.004	70.143		23.59
4519	Ö	GLY				-18.411	69.753		24.02
4520	N	ASP			-85.136		70.569		24.62
4521	CA	ASP			-83.873		70.762		25.34
4522	CB	ASP			-84.087		71.608		26.00
4523	CG	ASP			-84.538		73.024		27.86
4524	OD1	ASP				-20.748	73.464		
4525	OD2	ASP			-85.075	-22.777	73.764		27.91
4526	C	ASP				-21.335	69.497		25.39
4527	Ö	ASP			-81.882	-21.546	69.574		25.11
4528	N	LYS				-21.442	68.348		25.53
4529	CA	LYS				-21.863	67.173		26.86
-020		220		201	02.500	000	2	1.00	_ 0.00

FIGURE 3 CK

A	В	С	D	E	F		G	H		I	J
4530	CB			563			-21.977		.921		27.77
4531	CG			563			-22.073		.615	1.00	32.25
4532	CD	LY	S A	563	-82.	349	-23.441	64	.443	1.00	38.03
4533	CE	LY	S A	563	-81.	407	-23.456	63	.234	1.00	41.98
4534	NZ			563	-81.		-24.894		.897		42.27
4535	C	LY	s A	563	-81.		-20.852	66	.973		25.87
4536	0		S A		-80.		-21.211	66	.659	1.00	25.10
4537	N	IL	EΑ	564	-82.		-19.585		.181		25.38
4538	CA	IL	EΑ	564	-81.	222	-18.495	67	.116	1.00	24.64
4539	CB			564			-17.204		.855		24.95
4540	CG1			564			-17.185	65	.392		22.41
4541	CD1		EΑ				-16.032		.032		23.88
4542	CG2	IL	EΑ	564	-81.		-15.977	67	.264		24.06
4543	C			564	-80.		-18.371		.401		24.04
4544	0	IL	EΑ	564	-79.	169	-18.318	68	.347		23.29
4545	N	ME:	ΓA	565	-81.	011	-18.361	69	.560	1.00	24.02
4546	CA		r A		-80.		-18.205		.781		24.07
4547	CB		ΓA	565	-81.	124	-18.123		.021	1.00	24.25
4548	CG	ME'			-80.		-17.586		.226		23.18
4549	SD	ME'	ГΑ	565	-81.		-17.166		.596		24.95
4550	CE		ΓA		-81.		-18.826		.177		18.04
4551	C			565			-19.307		.983		23.98
4552	0			565	-78.		-19.051		.322		23.77
4553	N		S A				-20.541		.761		24.13
4554	CA			566	-78.		-21.677		.040		24.24
4555	CB		S A		-79.		-22.923		.332		24.50
4556	CG		S A		-80.		-22.895		.664		25.45
4557	ND1		S A		-80.		-21.945		.626		24.83
4558	CE1		S A		-80.		-22.178		.692		26.00
4559	NE2			566	-81.		-23.250		.460		26.73
4560	CD2		S A		-81.		-23.712		.197		24.92
4561	С			566	-77.		-21.982		.930		24.42
4562	0			566	-76.		-22.908		.055		24.12
4563	N			567	-77.		-21.206		.850		24.23
4564	CA			567	-76.		-21.470		.754		24.02
4565	CB		A A		-77.		-20.502		.634		23.70
4566	C		A A		-75.		-21.446		.242		24.52
4567	0		A A		-74.		-22.139		.679		24.73
4568	N		ΕA		-75.		-20.678		.303		24.43
4569	CA			568	-73.		-20.566		.754		24.25
4570	CB		EΑ		-73.		-19.079		.995		24.90
4571	CG1			568	-74.		-18.269		.866		24.12
4572	CD1			568	-74.		-18.870		.199		26.81
4573	CG2			568	-73.		-18.331		.659		24.26
4574	C			568	-73.		-21.488		.893		24.48
4575	0		EΑ		-72.		-21.409		.337		24.62
4576	N		A V		-74.		-22.368		.332		24.30
4577	CA		A V	569	-73.		-23.324		.406		24.74
4578	CB		A V	569	-75.		-24.288		.582		25.22
4579	CG		A V		-74.		-25.288		.711		27.56
4580	OD1	ASI	N A	569	-74.	955	-26.518	73	.490	1.00	30.92

FIGURE 3 CL

A	В	C	D	Е	1	?	G	H	I	J
4581	ND2	ASN	Δ	569	-74	7.49	-24.780	74.917	1 00	24.95
4582	C	ASN					-24.117	72.207		25.11
4583	Ö	ASN			-72.5		-24.770	71.170		24.85
4584	N	ARG			-71.8		-24.050	73.216	1.00	25.17
4585	CA	ARG					-24.717	73.226		25.82
4586	CB	ARG					-26.230	73.022	1.00	26.02
4587	CG	ARG					-26.931	74.213	1.00	27.93
4588	CD	ARG			-71.6		-28.402	73.966	1.00	31.13
4589	NE	ARG					-29.132	73.648	1.00	32.29
4590	CZ	ARG			-69.6		-29.682	74.562	1.00	33.17
4591	NH1	ARG					-30.323	74.215	1.00	33.29
4592	NH2	ARG			-70.0		-29.578	75.838	1.00	34.18
4593	С	ARG			-69.6		-24.134	72.167	1.00	26.12
4594	0	ARG			-68.5		-24.637	71.941	1.00	25.56
4595	N	ARG					-23.043	71.553	1.00	26.31
4596	CA	ARG			-69.3	362	-22.561	70.384	1.00	27.64
4597	CB	ARG			-70		-23.020	69.150	1.00	27.88
4598	CG	ARG			-69.3		-23.654	68.055	1.00	33.59
4599	CD	ARG	Α	571	-69.0		-25.192	68.139	1.00	38.10
4600	NE	ARG	Α	571	-68.	118	-25.568	69.192	1.00	42.59
4601	CZ	ARG	Α	571	-67.6	521	-26.797	69.384	1.00	44.77
4602	NH1	ARG	Α	571	-66.8	313	-27.026	70.412	1.00	43.83
4603	NH2	ARG			-67.9		-27.795	68.568	1.00	44.81
4604	С	ARG					-21.035	70.397	1.00	26.90
4605	0	ARG	Α	571	-69.2	220	-20.351	69.371	1.00	26.51
4606	N	LEU	Α	572	-68.5	901	-20.509	71.580	1.00	26.30
4607	CA	LEU	Α	572	-68.6	538	-19.081	71.726	1.00	25.74
4608	CB	LEU	Α	572	-68.2	273	-18.761	73.180	1.00	25.20
4609	CG	LEU	Α	572	-69.4	114	-18.145	73.987	1.00	24.72
4610	CD1	LEU	Α	572	-69.3	184	-18.128	75.494	1.00	24.38
4611	CD2	LEU	Α	572	-70.	753	-18.727	73.627	1.00	22.29
4612	С	LEU	Α	572	-67.5	523	-18.630	70.798	1.00	24.94
4613	0	LEU	Α	572	-66.5	514	-19.328	70.620	1.00	25.41
4614	N	GLY	Α	573	-67.6	590	-17.461	70.206	1.00	23.52
4615	CA	GLY	Α	573	-66.6	567	-16.951	69.324	1.00	23.38
4616	C	GLY	Α	573	-66.	708	-17.500	67.913	1.00	23.07
4617	0	GLY	Α	573	-65.6	570	-17.588	67.251	1.00	23.52
4618	N	THR	Α	574	-67.8	378	-17.917	67.458	1.00	22.34
4619	CA	THR			-67.9	989	-18.402	66.090		22.60
4620	CB	THR			-68.2	252	-19.912	66.024	1.00	22.64
4621	OG1	THR			-69.4		-20.210	66.750	1.00	22.61
4622	CG2	THR					-20.695	66.740		21.83
4623	С	THR			-69.0		-17.677	65.318		22.31
4624	0	THR					-16.674	64.670		22.50
4625	N	PHE					-18.175	65.388		23.15
4626	CA			575	-71.3		-17.610	64.562		24.35
4627	CB	PHE					-18.479	64.579		25.15
4628	CG	PHE					-19.952	64.170		26.50
4629	CD1			575			-20.288	62.975	1.00	28.79
4630	CE1	PHE			-71.		-21.620	62.598		30.18
4631	CZ	PHE	Α	575	-72.0	047	-22.650	63.422	1.00	31.75

FIGURE 3 CM

A	В	C	D	E	F	G	H	I	J
4632	CE2	PHE				-22.335	64.609	1.00	30.94
4633	CD2	PHE				-20.969	64.973		27.57
4634	C	PHE				-16.180	64.917		24.87
4635	0	PHE				-15.359	64.024		26.10
4636	N	GLU				-15.852	66.205		24.54
4637	CA	GLU				-14.479	66.623		25.07
4638	CB	GLU	Α	576	-71.966	-14.362	68.156	1.00	25.09
4639	CG	GLU	Α	576		-14.803	68.647	1.00	29.60
4640	CD	GLU	Α	576	-70.568	-15.249	70.066	1.00	36.00
4641	OE1	GLU	Α	576	-71.647	-15.191	70.738	1.00	41.48
4642	OE2	GLU	Α	576	-69.472	-15.633	70.516	1.00	35.97
4643	C	GLU	Α	576	-70.981	-13.564	66.016	1.00	24.36
4644	0	GLU	Α	576	-71.282	-12.440	65.643	1.00	25.27
4645	N	VAL	Α	577	-69.748	-14.049	65.920	1.00	24.26
4646	CA	VAL	Α	577	-68.642	-13.263	65.372	1.00	24.64
4647	CB	VAL	Α	577	-67.260	-13.920	65.687	1.00	24.48
4648	CG1	VAL	Α	577	-67.002	-13.974	67.197	1.00	24.21
4649	CG2	VAL	Α	577	-66.137	-13.209	64.978	1.00	22.74
4650	С	VAL				-13.106	63.855	1.00	25.55
4651	ō	VAL			-68.661		63.319	1.00	24.62
4652	N	GLU			-69.052	-14.224	63.176	1.00	26.99
4653	CA	GLU				-14.250	61.724		28.75
4654	CB	GLU				-15.678	61.200		29.47
4655	CG	GLU				-15.744	59.666	1.00	35.98
4656	CD	GLU				-16.408	59.000		41.51
4657	OE1	GLU				-17.667	59.027		43.85
4658	OE2	GLU				-15.667	58.415		44.47
4659	C	GLU			-70.411		61.326		28.18
4660	ŏ	GLU				-12.691	60.315	1.00	29.02
4661	N	ASP				-13.432	62.115		27.29
4662	CA	ASP			-72.657		61.770	1.00	26.74
4663	CB	ASP			-73.872	-13.085	62.610	1.00	26.84
4664	CG	ASP				-14.482	62.252		27.08
4665	OD1	ASP			-73.862	-15.049	61.275	1.00	
4666	OD2	ASP			-75.242	-15.106	62.901		26.42
4667	C	ASP			-72.434	-11.145	61.787	1.00	26.27
4668	Ö	ASP			-73.064	-10.435	61.016	1.00	26.65
4669	N	GLN			-71.529		62.628		25.40
4670		GLN			-71.254	-9.199	62.621		
4671	CA CB	GLN			-70.470	-8.754	63.860		24.43
					-71.186				
4672 4673	CG CD	GLN				-9.012 -8.089	65.177 65.398	1.00	22.96
					-72.359				
4674	OE1	GLN			-72.244	-6.880	65.175		23.51
4675	NE2	GLN			-73.487	-8.641	65.855		23.17
4676	C	GLN			-70.503	-8.829	61.357		24.33
4677	0	GLN			-70.728	-7.786	60.794	1.00	24.44
4678	N	ILE			-69.606	-9.698	60.910		25.25
4679	CA			581	-68.882	-9.459	59.670		25.47
4680	CB	ILE			-67.740	-10.503	59.505		25.79
4681	CG1	ILE			-66.747	-10.358	60.655		24.36
4682	CD1	ILE	Α	581	-65.898	-11.571	60.849	1.00	26.09

FIGURE 3 CN

A	В	С	D	Е		F	G	Н		I	J
4683	CG2	ILE					-10.340	58.1			23.48
4684	C	ILE	Α	581	-69	9.848	-9.479	58.4			25.99
4685	0	ILE				9.893	-8.536	57.7		1.00	25.68
4686	N	GLU				.655	-10.535	58.4		1.00	26.98
4687	CA	GLU				1.627	-10.649	57.3			27.56
4688	CB	GLU				2.440	-11.943	57.4		1.00	27.57
4689	CG	GLU				2.756	-12.676	56.1		1.00	32.74
4690	CD	GLU				2.859	-11.779	54.9		1.00	36.03
4691	OE1	GLU				2.301	-10.677	54.9		1.00	43.19
4692	OE2	GLU				3.505	-12.152	53.9		1.00	38.32
4693	C	GLU				2.572	-9.434	57.2		1.00	27.50
4694	0	GLU				2.824	-8.846	56.2		1.00	27.08
4695 4696	N CA	ALA				3.095 3.996	-9.061 -7.923	58.4 58.5		1.00	27.71
4696	CB	ALA				3.996 1.547	-7.792	59.9		1.00	28.04
4698	С	ALA				3.307	-6.633	58.1		1.00	27.53
4699	Ö	ALA				3.936	-5.748	57.5		1.00	27.90
4700	N	ALA				2.016	-6.518	58.3		1.00	27.00
4701	CA	ALA				1.264	-5.351	57.8		1.00	27.08
4702	CB	ALA				9.876	-5.302	58.4		1.00	26.37
4703	C	ALA				1.172	-5.376	56.3		1.00	27.19
4704	ō	ALA				1.324	-4.340	55.7		1.00	26.53
4705	N	ARG				0.893	-6.554	55.8		1.00	27.50
4706	CA	ARG				.859	-6.715	54.3		1.00	29.16
4707	CB	ARG				.569	-8.169	53.9		1.00	29.32
4708	CG	ARG				9.127	-8.522	54.1		1.00	29.55
4709	CD	ARG	Α	585	-68	3.661	-9.684	53.2	98 1	1.00	31.77
4710	NE	ARG	Α	585	-68	3.458	-10.853	54.1	18 1	1.00	34.87
4711	CZ	ARG	Α	585	-6'	7.285	-11.288	54.5	15 1	1.00	37.82
4712	NH1	ARG	Α	585	-66	5.172	-10.666	54.1	24 1	1.00	39.98
4713	NH2	ARG				7.224	-12.361	55.2		1.00	38.69
4714	C	ARG				2.216	-6.297	53.7		1.00	29.98
4715	0	ARG				2.286	-5.577	52.7		1.00	29.89
4716	N	GLN				3.284	-6.689	54.4		1.00	30.37
4717	CA	GLN				1.632	-6.362	54.0		1.00	31.66
4718	CB	GLN				667	-7.060	54.9		1.00	31.84
4719	CG	GLN				5.684	-7.899	54.1		1.00	36.59
4720	CD	GLN				5.029	-9.048	53.4		1.00	40.20
4721 4722	OE1 NE2	GLN				5.172	-9.713 -9.264	54.0 52.1		1.00	44.36
4723	C	GLN				5.386 1.840	-4.854	54.0		1.00	31.69
4724	0	GLN				5.386	-4.275	53.1		1.00	31.81
4725	N	PHE				1.422	-4.217	55.1		1.00	31.91
4726	CA	PHE		587		1.562	-2.776	55.2		1.00	31.85
4727	CB			587		1.022	-2.248	56.6		1.00	31.23
4728	CG	PHE				1.724	-2.795	57.8		1.00	30.64
4729	CD1		A	587		5.040	-3.231	57.7		1.00	29.81
4730	CE1			587		5.699	-3.757	58.8		1.00	28.57
4731	CZ	PHE	Α	587		5.038	-3.835	60.0		1.00	28.65
4732	CE2	PHE	Α	587	-74	1.716	-3.408	60.1	38 1	1.00	28.60
4733	CD2	PHE	Α	587	-7	1.065	-2.895	59.0	26 1	1.00	28.50

FIGURE 3 CO

A	В	C D	E	F	G	H	1	J
			500	50 500	0.100			
4734	С	PHE F		-73.799	-2.137	54.156		32.30
4735	0	PHE F		-74.278	-1.195	53.544	1.00	32.07
4736	N	SER F		-72.610	-2.646	53.862	1.00	33.09
4737	CA	SER F		-71.858	-2.014	52.793	1.00	34.56
4738	CB	SER F		-70.401	-2.484	52.698		33.97
4739	OG	SER A		-70.287	-3.892	52.705	1.00	37.23
4740	C	SER A		-72.625	-2.107	51.478	1.00	35.02
4741	0	SER A		-72.614	-1.174	50.691	1.00	36.03
4742	N	LYS A		-73.338	-3.205	51.259	1.00	35.40
4743	CA	LYS F		-74.123	-3.325	50.030	1.00	35.48
4744	CB	LYS F		-74.426	-4.792	49.693	1.00	35.59
4745	CG	LYS F		-73.147	-5.576	49.328	1.00	36.84
4746	CD	LYS F		-73.398	-6.653	48.284	1.00	38.33
4747	CE	LYS F		-73.575	-8.012	48.911	1.00	39.71
4748	NZ	LYS F	589	-75.002	-8.300	49.224	1.00	40.52
4749	C	LYS A	589	-75.394	-2.480	50.042	1.00	35.12
4750	0	LYS A		-76.239	-2.605	49.156	1.00	35.29
4751	N	MET A	590	-75.537	-1.601	51.024	1.00	34.69
4752	CA		590	-76.740	-0.767	51.048	1.00	33.79
4753	CB	MET A	590	-77.262	-0.569	52.458	1.00	33.69
4754	CG	MET F	590	-77.937	-1.755	53.037	1.00	31.72
4755	SD	MET F	590	-78.280	-1.418	54.752	1.00	32.99
4756	CE	MET A	590	-78.912	-3.103	55.209	1.00	29.27
4757	C	MET A	590	-76.563	0.589	50.368	1.00	33.45
4758	0	MET A	590	-77.516	1.365	50.296	1.00	33.67
4759	N	GLY A	591	-75.348	0.889	49.918	1.00	32.59
4760	CA	GLY A	591	-75.121	2.077	49.109	1.00	32.15
4761	C	GLY A		-74.686	3.369	49.788	1.00	31.95
4762	0	GLY A	591	-74.040	4.199	49.163	1.00	31.35
4763	N	PHE A	592	-75.040	3.552	51.055	1.00	31.61
4764	CA	PHE F	592	-74.670	4.767	51.752	1.00	31.68
4765	CB	PHE F	592	-75.899	5.387	52.405	1.00	31.22
4766	CG	PHE F	592	-76.687	4.424	53.230	1.00	31.65
4767	CD1	PHE A	592	-77.873	3.889	52.750	1.00	31.62
4768	CE1	PHE A	592	-78.608	3.008	53.518	1.00	30.54
4769	CZ	PHE A	592	-78.142	2.636	54.752	1.00	33.03
4770	CE2	PHE A	592	-76.941	3.148	55.237	1.00	30.57
4771	CD2	PHE A	592	-76.232	4.032	54.486	1.00	30.78
4772	C	PHE A	592	-73.544	4.549	52.774	1.00	31.58
4773	0	PHE A	592	-73.324	5.367	53.667	1.00	31.89
4774	N	VAL A	593	-72.813	3.462	52.620	1.00	31.73
4775	CA	VAL A	593	-71.753	3.134	53.559	1.00	31.79
4776	CB	VAL A	593	-72.012	1.740	54.213	1.00	32.37
4777	CG1	VAL A	593	-70.799	1.260	54.986	1.00	32.98
4778	CG2	VAL A	593	-73.242	1.798	55.119	1.00	31.20
4779	C	VAL A	593	-70.410	3.166	52.854	1.00	31.65
4780	0	VAL A	593	-70.260	2.579	51.800	1.00	31.88
4781	N	ASP A	594	-69.436	3.875	53.418	1.00	31.26
4782	CA	ASP A	594	-68.103	3.920	52.821	1.00	31.13
4783	CB	ASP A	594	-67.373	5.178	53.268	1.00	30.73
4784	CG	ASP A	594	-65.996	5.262	52.694	1.00	30.54

FIGURE 3 CP

A	В	С	D	E		F		G	1	H	I	J
4785	OD1	ASP	Δ	594	-65	.298	6	276	52	.932	1.00	31.10
4786	OD2	ASP				.535		351		.980		29.73
4787	C	ASP				.268		680		.188	1.00	31.66
4788	Ö	ASP				.721		589		.288	1.00	31.47
4789	N	ASN				157		742		.256	1.00	32.31
4790	CA	ASN				.447		486		.481	1.00	33.15
4791	CB	ASN				.375	-0.			.186	1.00	33.65
4792	CG	ASN				.719	-0.			.775	1.00	38.94
4793	OD1	ASN				.738	-0.			.346	1.00	45.03
4794	ND2	ASN				.757	-1.			.792	1.00	42.29
4795	C	ASN				.056		630		.059	1.00	32.62
4796	0	ASN				.505	-0.			.641	1.00	32.40
4797	N	LYS				.484		805		.897	1.00	32.33
4798	CA	LYS				.135		024		.333	1.00	32.38
4799	CB	LYS				.454		010		.387	1.00	33.19
4800	CG	LYS				.424		514		.961	1.00	35.40
4801	CD	LYS				.092		823		.317	1.00	40.22
4802	CE	LYS				.853		328		.276	1.00	42.88
4803	NZ	LYS				.988		993		.567	1.00	44.77
4804	C	LYS				.064		516		.763	1.00	31.21
4805	0	LYS				.985		590		.763	1.00	31.59
	И	ARG				.217		841		.338		29.75
4806 4807	CA	ARG				.313		364		.695		28.43
4808	CB	ARG				.513		888		.671		28.70
4809		ARG				.307		654		.103		28.99
4810	CG CD	ARG				.447		156		.153		28.51
4811	NE	ARG				.579		588		.339	1.00	33.03
4812	CZ	ARG				.195		752		.473	1.00	33.59
4813	NH1	ARG				.780		614		.396	1.00	33.72
4814	NH2	ARG				.222		061		.680	1.00	33.44
4815	C	ARG				.426		701		.510	1.00	27.19
4816	0	ARG				.436		319		.861		26.73
4817	N			598		.230		427		.799		25.80
4818	CA			598		.137		688		.639		24.49
4819	CB	ILE				.617	-0.			.916		24.74
4820	CG1			598		.481	-0.			.706		24.85
4821	CD1	ILE				.704	-1.			.743		24.67
4822	CG2	ILE				.430	-1.			.857		24.93
4823	C			598		.334		301		.858	1.00	23.90
4824	ŏ			598		.272	-0.			.744		23.23
4825	N	ALA				.827		664		.027		23.45
4826	CA	ALA				.160		328		.268		22.40
4827	CB	ALA				.747		585		.000		21.96
4828		ALA				.121	-0.			.113		22.02
4828	C	ALA				.296	-0.			.746		22.02
4830	N					.622	-0.			.257		20.97
				600								
4831	CA			600		.371	-1.			.137	1.00	20.54
4832 4833	CB CG1			600		.192	-3. -4.			.592	1.00	20.86
4833				600		.944						
	CD1						-5.			.119		26.19
4835	CG2	TLE	А	600	-64	.791	-3.	//0	64	.878	1.00	18.98

FIGURE 3 CQ

A	В	C D	E	F	G	H	I	J
4836	С	ILE A	600	-65.854	-1.658	66.568	1 00	20.20
4837	Ö	ILE A		-64.666	-1.479	66.779		20.38
4838	N	TRP A		-66.752	-1.651	67.550	1.00	19.65
4839	CA	TRP F		-66.333	-1.504	68.922		19.05
4840	CB	TRP A		-66.154	-0.035	69.317		19.24
4841	CG	TRP A		-67.373	0.620	69.882		18.88
4842	CD1	TRP A		-68.465	1.053	69.185	1.00	19.07
4843	NE1	TRP A		-69.379	1.616	70.040	1.00	18.07
4844	CE2	TRP F		-68.879	1.575	71.310	1.00	17.52
4845	CD2	TRP F		-67.613	0.959	71.246	1.00	18.30
4846	CE3	TRP F		-66.896	0.777	72.436		19.10
4847	CZ3	TRP F		-67.446	1.212	73.619	1.00	17.74
4848	CH2	TRP F		-68.711	1.825	73.652	1.00	18.95
4849	CZ2	TRP F		-69.440	2.021	72.505	1.00	18.66
4850	C	TRP F	4 601	-67.344	-2.152	69.821	1.00	18.80
4851	0	TRP F	4 601	-68.487	-2.311	69.453	1.00	18.02
4852	N	GLY A	602	-66.890	-2.500	71.018	1.00	18.67
4853	CA	GLY A	602	-67.697	-3.197	71.990	1.00	18.53
4854	C	GLY A	602	-67.006	-3.251	73.334	1.00	18.13
4855	0	GLY A	602	-65.801	-3.056	73.416	1.00	17.50
4856	N	TRP F	4 603	-67.800	-3.507	74.368	1.00	19.13
4857	CA	TRP F	603	-67.376	-3.538	75.761	1.00	20.22
4858	CB	TRP F	603	-68.257	-2.564	76.553	1.00	21.35
4859	CG	TRP A		-67.685	-1.992	77.818		22.59
4860	CD1	TRP A	603	-67.293	-2.672	78.948	1.00	23.68
4861	NE1	TRP A		-66.830	-1.787	79.895	1.00	22.81
4862	CE2	TRP A		-66.929	-0.511	79.392		24.43
4863	CD2	TRP A		-67.460	-0.607	78.089		22.74
4864	CE3	TRP A		-67.653	0.571	77.361		23.54
4865	CZ3	TRP A		-67.305	1.788	77.942		22.90
4866	CH2	TRP A		-66.799	1.851	79.227		22.27
4867	CZ2	TRP F		-66.594	0.721	79.974		24.33
4868	C	TRP A		-67.653	-4.927	76.283		20.37
4869	Ö	TRP A		-68.703	-5.484	75.993		20.67
4870	N	SER A		-66.742	-5.484	77.076		20.51
4871	CA	SER A		-66.990	-6.793	77.672		20.36
4872	CB	SER A		-68.219	-6.726	78.567	1.00	19.86
4873	OG	SER A		-68.161	-7.730	79.566		20.74
4874	C			-67.154	-7.862	76.583		20.12
4875	Ö	SER A		-66.245	-8.073	75.784		20.12
4876	N	TYR A		-68.297	-8.533	76.540	1.00	
4877	CA	TYR A		-68.518	-9.518	75.486		20.37
4878	CB	TYR A		-69.903	-10.184	75.584		20.14
4879	CG	TYR A		-69.951	-11.514	74.828		20.65
4880	CD1	TYR A		-69.848	-12.733	75.497		20.20
4881	CE1	TYR A		-69.875	-13.935	74.810		20.48
4882	CZ	TYR A		-69.989	-13.923	73.430	1.00	
4883	OH	TYR A			-15.103	72.698	1.00	19.08
4884	CE2	TYR A		-70.074	-12.714	72.759	1.00	20.96
4885	CD2	TYR A		-70.029		73.447		19.30
4886	C	TYR A	4 605	-68.345	-8.832	74.135	1.00	20.06

FIGURE 3 CR

4887 O	A	В	C D	E	F	G	H	I	J
4888 N N GLY A 606 -68.772 -7.576 74.063 1.00 19.47 4889 C GLY A 606 -68.887 -6.807 72.899 1.00 19.08 4891 O GLY A 606 -67.126 -6.556 72.532 1.00 19.25 4891 O GLY A 607 -66.263 -6.471 73.539 1.00 19.90 4893 C GLY A 607 -64.846 -6.285 73.288 1.00 19.47 4893 C GLY A 607 -64.241 -7.557 72.736 1.00 19.47 4895 N TYR A 608 -64.389 -8.677 73.180 1.00 19.47 4895 N TYR A 608 -64.337 -9.971 72.733 1.00 19.64 4897 CA TYR A 608 -64.337 -9.971 72.733 1.00 19.56 4890 CD TYR A 608 -65.362 -11.051 73.555 1.00 20.02 4890 CD TYR A 608 -65.816 12.453 73.029 1.00 19.06 4900 CDI TYR A 608 -65.710 -14.481 72.069 1.00 18.91 4901 CEI TYR A 608 -65.710 -14.481 72.069 1.00 19.03 </td <td>4007</td> <td>_</td> <td>milio :</td> <td></td> <td>67 012</td> <td>0.416</td> <td>70.104</td> <td>1 00</td> <td>20.26</td>	4007	_	milio :		67 012	0.416	70.104	1 00	20.26
4889 CA CGLY A 606 -68.587 -6.807 72.889 1.00 19.08 4891 C CUY A 606 -67.126 -6.556 72.532 1.00 19.26 4891 O GLY A 606 -66.784 -6.410 71.375 1.00 19.26 4892 N GLY A 607 -66.263 -6.471 73.539 1.00 19.37 4893 CA GLY A 607 -64.846 -6.285 73.288 1.00 19.47 4895 C GLY A 607 -63.327 -7.540 71.912 1.00 19.64 4897 CA TYR A 608 -64.789 -8.677 73.180 1.00 19.76 4898 CB TYR A 608 -64.337 -9.911 72.733 1.00 19.56 4900 CD1 TYR A 608 -65.032 -11.051 73.555 1.00 19.56 4900 CD1 TYR A 608 -65.932 -11.051 73.555 1.00 19.56 4900 CD1 TYR A 608 -65.881 -13.193 72.061 1.00 19.56 4900 CD1 TYR A 608 -65.810 -14.481 72.061 1.00 19.64 4902 CZ TYR A 608 -65.367 -10 -14.481 72.061 1.00 19.64 4903 OH TYR A 608 -63.367 -14.352 72.543 1.00 19.									
4890 C GLY A 606 -67.126 -6.556 72.532 1.00 19.25 4892 N GLY A 607 -66.263 -6.471 73.359 1.00 19.95 4893 CA GLY A 607 -64.263 -6.471 73.559 1.00 19.37 4893 C GLY A 607 -64.241 -7.557 72.736 1.00 19.47 4895 O GLY A 607 -64.241 -7.557 72.736 1.00 19.64 4895 N TYR A 608 -64.387 -9.971 72.733 1.00 19.64 4898 CB TYR A 608 -64.337 -9.971 73.530 1.00 19.56 4899 CG TYR A 608 -64.337 -9.971 72.733 1.00 19.56 4890 CD TYR A 608 -64.816 -12.453 73.029 1.00 18.91 4901 CEI TYR A 608 -65.710 -14.481 72.069 1.00 18.91 4901 CEZ TYR A 608 -64.386 -16.339 71.600 1.00 19.03 4905 CEZ TYR A 608 -63.367 -14.352 72.543 1.00									
4891 O GLY A 606 -66.784 -6.410 71.375 1.00 19.90 4892 N GLY A 607 -66.263 -6.471 73.559 1.00 19.47 4893 CA GLY A 607 -64.846 -6.285 73.288 1.00 19.47 4895 C GLY A 607 -63.327 -7.540 71.912 1.00 20.22 4896 N TYR A 608 -64.789 -8.677 73.180 1.00 19.76 4897 CA TYR A 608 -64.789 -8.677 73.180 1.00 19.56 4899 CB TYR A 608 -64.316 -12.453 73.029 1.00 19.56 4900 CD1 TYR A 608 -65.032 -11.051 73.029 1.00 19.56 4900 CD1 TYR A 608 -65.881 -13.193 73.029 1.00 18.04 4901 CE1 TYR A 608 -65.810 -14.481 72.069 1.00 18.41 4903 CH TYR A 608 -65.332 -10.01 14.481 72.061 1.00 18.91 4904 CE2 TYR A 608 -63.367 -14.352 72.543 1.00 18.99 4905 CD2 TYR A 608 -63.544 -13.043 73.026 1.00 19.90									
4892 N GLY A 607 -66.263 -6.471 73.539 1.00 19.37 4894 C GLY A 607 -64.846 -6.287 73.288 1.00 19.47 4895 C GLY A 607 -64.241 -7.557 72.736 1.00 19.64 4895 N TYR A 608 -64.789 -8.677 73.180 1.00 19.76 4897 CA TYR A 608 -64.337 -9.971 72.733 1.00 19.56 4898 CB TYR A 608 -64.337 -9.971 73.550 1.00 19.56 4890 CB TYR A 608 -64.816 -12.453 73.029 1.00 19.56 4900 CDI TYR A 608 -65.710 -14.481 72.069 1.00 18.94 4901 CEI TYR A 608 -64.386 -16.339 71.600 1.00 18.94 4901 CEZ TYR A 608 -64.376 -14.481 72.069 1.00 18.94 4905 CEZ TYR A 608 -64.376 -14.352 72.543 1.00 19.03 4905 CEZ TYR A 608 -63.544 -13.043 73.026 <td< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td<>									
4893 CA GLY A 607 -64.846 -6.285 73.288 1.00 19.47 4895 C GLY A 607 -64.241 -7.557 72.736 1.00 19.46 4895 O GLY A 607 -63.327 -7.540 71.912 1.00 20.22 4897 CA TYR A 608 -64.789 -8.677 73.180 1.00 19.76 4898 CB TYR A 608 -64.337 -9.971 72.733 1.00 19.56 4900 CDI TYR A 608 -65.032 -11.051 73.555 1.00 20.02 4900 CDI TYR A 608 -65.816 -12.453 73.029 1.00 18.04 4901 CEI TYR A 608 -65.881 -13.193 72.561 1.00 18.04 4903 CR TYR A 608 -64.480 -15.056 72.070 1.00 18.91 4905 CD TYR A 608 -63.367 -14.352 72.543 1.00 19.93 4905 CD TYR A 608 -63.785 -10.541 70.481 </td <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>									
4895 C GLY A 607 -64.241 -7.557 72.736 1.00 19.64 4895 N CHY A 608 -64.789 -8.677 73.180 1.00 20.22 4898 CA TYR A 608 -64.789 -8.677 73.180 1.00 20.22 4898 CB TYR A 608 -64.337 -9.971 73.555 1.00 20.02 4899 CB TYR A 608 -65.032 -11.051 73.555 1.00 19.56 4890 CDI TYR A 608 -65.818 -13.199 72.561 1.00 18.04 4901 CEI TYR A 608 -65.710 -14.481 72.069 1.00 18.04 4901 CE TYR A 608 -64.336 -16.339 71.600 1.00 18.04 4904 CE TYR A 608 -64.367 -14.352 72.569 1.00 18.90 4905 CD2 TYR A 608 -63.544 -13.043 73.026 1.00 19.03 4906 C TYR A 608 -63.544 -13.043 73.026 1.00 19.09 4907 O TYR A 608 -63.544 -13.043 73.026 <td< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td<>									
4895 O GLY A 607 -63.327 -7.540 71.912 1.00 20.22 4897 CA TYR A 608 -64.337 -9.971 72.333 1.00 120.22 4898 CB TYR A 608 -64.337 -9.971 72.733 1.00 129.82 4890 CB TYR A 608 -64.816 -12.453 73.059 1.00 19.82 4900 CDI TYR A 608 -65.881 -13.193 72.561 1.00 18.04 4902 CZ TYR A 608 -65.710 -14.481 72.009 1.00 18.04 4903 M TYR A 608 -64.480 -15.056 72.070 1.00 18.91 4904 CEZ TYR A 608 -63.367 -14.352 72.543 1.00 18.99 4905 CD TYR A 608 -63.367 -14.352 72.543 1.00 19.93 4907 O TYR A 608 -63.7844 -13.043 73.026 1.00									
4895 N TYR A 608 -64.789 - 8.677 73.180 1.00 19.76 4897 CR TYR A 608 -64.337 - 9.971 72.733 1.00 19.26 4898 CB TYR A 608 -65.032 - 11.051 73.555 1.00 20.02 4890 CD TYR A 608 -65.032 - 11.051 73.555 1.00 20.02 4900 CDI TYR A 608 -64.816 - 12.453 73.029 1.00 18.04 4901 CEI TYR A 608 -64.816 - 12.453 73.029 1.00 18.04 4902 CZ TYR A 608 -65.710 - 14.481 72.069 1.00 18.01 4903 CE TYR A 608 -64.386 - 16.339 71.600 1.00 19.03 4905 CD TYR A 608 -63.785 - 10.541 70.481 1.00 19.03 4905 C TYR A 608 -63.785 - 10.541 70.481 1.00 19.09 4907 O TYR A 608 -63.785 - 10.541									
4897 CA TYR A 608 -64.337 -9.971 72.733 1.00 19.82 4898 CB TYR A 608 -65.332 -11.051 73.555 1.00 20.02 4899 CG TYR A 608 -65.881 -13.193 72.561 1.00 19.56 4900 CDI TYR A 608 -65.881 -13.193 72.561 1.00 18.04 4901 CEI TYR A 608 -65.710 -14.481 72.069 1.00 18.04 4903 OR TYR A 608 -64.480 -15.056 72.070 1.00 18.91 4905 CDZ TYR A 608 -64.480 -15.056 72.070 1.00 19.03 4905 CDZ TYR A 608 -63.367 -14.352 72.543 1.00 19.03 4906 C TYR A 608 -63.367 -14.352 72.543 1.00 19.03 4907 O TYR A 608 -63.367 -10.165 71.268 1.00 19.03 4908 N VAL A 609 -65.884 -9.891 70.491 1.00 19.50 4910 CB VAL A 609 -67.851 -9.966 69.491									
4898 CB CB TYR A 608 -65.032 -11.051 73.555 1.00 20.02 4900 CDI TYR A 608 -64.816 -12.453 73.029 1.00 19.566 4901 CEI TYR A 608 -65.881 -13.193 72.561 1.00 18.04 4901 CEI TYR A 608 -65.881 -13.193 72.561 1.00 18.41 4903 CZ TYR A 608 -64.480 -15.056 72.070 1.00 18.91 4903 CZ TYR A 608 -64.386 -16.339 71.600 1.00 19.03 4905 CD TYR A 608 -63.367 -14.352 72.543 1.00 18.91 4905 CD TYR A 608 -63.544 -13.043 73.026 1.00 19.02 4907 C TYR A 608 -63.784 -13.043 73.026 1.00 19.02 4907 C TYR A 608 -64.747 -10.165 71.268 1.00 19.93 4907 D TYR A 608 -63.785 -10.541 70.481 1.00 19.96 4908 N VAL A 609 -65.884 -9.891 70.899 1.00 19.80 4910 CB VAL A 609 -66.332 -10.058 69.509 1.00 19.80 <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>									
4899 CG TYR A 608 -64.816 - 12.453 73.029 1.00 19.56 4901 CEI TYR A 608 -65.710 - 14.481 72.069 1.00 18.04 4901 CEI TYR A 608 -65.710 - 14.481 72.069 1.00 18.04 4903 OR TYR A 608 -64.386 - 16.339 71.600 1.00 18.91 4905 CDZ TYR A 608 -63.367 - 14.352 72.543 1.00 18.99 4905 CDZ TYR A 608 -63.367 - 14.352 73.263 1.00 19.03 4906 C TYR A 608 -63.544 - 13.043 73.026 1.00 19.03 4907 O TYR A 608 -63.785 - 10.541 70.481 1.00 19.03 4908 C TYR A 608 -63.367 - 14.352 72.543 1.00 19.03 4909 C TYR A 608 -63.785 - 10.541 70.481 1.00 19.93 4909 C VAL A 609 -65.884 - 9.891 70.499 1.00 19.90 4911 CS VAL A 609 -67.851 - 9.966 69.509 1.00 19.50 4912 CS VAL A 609 -65.819 - 9.9340 67.455 1.00 19.50 <t< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></t<>									
4900 CDI TYR A 608 -65.881 - 13.193 72.561 1.00 18.04 4901 CEI TYR A 608 -65.710 - 14.481 72.069 1.00 18.41 4902 CZ TYR A 608 -64.480 - 15.056 72.070 1.00 18.41 4903 CE TYR A 608 -64.386 - 16.339 71.600 1.00 18.91 4904 CEZ TYR A 608 -63.367 - 14.352 72.543 1.00 18.93 4905 CD TYR A 608 -63.544 - 13.043 73.026 1.00 19.02 4907 CE TYR A 608 -64.747 - 10.165 71.268 1.00 19.02 4907 CE TYR A 608 -63.785 - 10.541 70.891 1.00 19.96 4908 N VAL A 609 -66.332 - 10.058 69.509 1.00 19.80 4910 CB VAL A 609 -66.332 - 10.058 69.509 1.00 19.50 4911 CGI VAL A 609 -66.363 - 9.936 67.988 1.00 17.59 4912 CG2 VAL A 609 -65.329 - 9.940 67.9									
4901 CE1 TYR A 608 -65.710 -14.481 72.069 1.00 18.41 4902 CZ TYR A 608 -64.386 -16.339 71.600 1.00 18.91 4903 CEZ TYR A 608 -64.386 -16.339 71.600 1.00 18.90 4904 CEZ TYR A 608 -63.367 +14.352 72.543 1.00 18.99 4905 CUZ TYR A 608 -63.544 +13.043 73.026 1.00 19.93 4907 O TYR A 608 -64.647 -10.165 71.268 1.00 19.93 4908 VAL A 609 -65.884 -9.891 70.481 1.00 19.79 4909 CA VAL A 609 -66.332 -10.058 69.509 1.00 19.50 4911 CEI VAL A 609 -67.851 -9.966 69.441 1.00 19.50 4912 CCZ VAL A 609 -68.423 -11.129 70.204 1.00 19.50 4913 C VAL A 609 -65.329 -9.340 67.455 1.00 20.30 4914 O VAL A 609 -65.329 -9.340 67.455 1.00 20.30									
4902 CZ									
4903 OR TYR A 608 -64.386 - 16.339 71.600 1.00 19.03 4904 CEZ TYR A 608 -63.367 - 14.352 72.543 1.00 18.99 4905 CD2 TYR A 608 -63.544 - 13.043 73.026 1.00 19.02 4907 C TYR A 608 -63.544 - 13.043 73.026 1.00 19.03 4908 N VAL A 609 -65.884 - 9.891 70.481 1.00 19.69 4909 C VAL A 609 -66.332 - 10.058 69.509 1.00 19.50 4911 CEI VAL A 609 -67.851 - 9.966 69.509 1.00 19.50 4912 CE2 VAL A 609 -68.363 - 9.936 67.988 1.00 17.95 4913 C VAL A 609 -68.423 - 11.129 70.204 1.00 2.136 4914 O VAL A 609 -65.389 - 9.340 67.455 1.00 2.03 4915 N THR A 610 -64.740 - 5.495 68.911 1.00 2.03 4916 C THR A 610 -64.740 - 5.495 68.971									
4904 CB2 TYR A 608 -63.367 -14.352 72.543 1.00 18.99 4905 CD2 TYR A 608 -63.367 -14.352 72.543 1.00 19.02 4906 C TYR A 608 -64.647 -10.165 71.268 1.00 19.33 4907 O TYR A 608 -64.647 -10.165 71.268 1.00 19.69 4908 N VAL A 609 -65.884 -9.891 70.899 1.00 19.79 4909 C VAL A 609 -66.332 -10.058 69.441 1.00 19.50 4911 CG1 VAL A 609 -68.363 -9.936 67.988 1.00 17.59 4912 CG2 VAL A 609 -65.681 -9.042 68.601 1.00 18.52 4913 C VAL A 609 -65.480 -7.837 67.211 1.00 20.82 4914 O VAL A 609 -65.480 -7.837 69.121 1.00 20.82 4915 N THR A 610 -64.740 -5.495 69.167 1.00 20.90 4915									
4905 CD2 TYR A 608 -63.544 -13.043 73.026 1.00 19.02 4907 C TYR A 608 -64.6447 -10.165 71.268 1.00 19.32 4907 O TYR A 608 -63.785 -10.541 70.481 1.00 19.69 4908 N VAL A 609 -65.884 -9.891 70.899 1.00 19.79 4910 CR VAL A 609 -66.332 -10.058 69.509 1.00 19.50 4911 CEI VAL A 609 -68.363 -9.966 69.441 1.00 19.50 4912 CG2 VAL A 609 -68.363 -9.936 67.988 1.00 17.59 4913 C VAL A 609 -68.423 -11.129 70.024 1.00 20.81 4914 O VAL A 609 -65.329 -9.340 67.455 1.00 21.36 4915 N THR A 610 -64.789 -6.816 68.351 1.00 20.90 4915 O THR A 610 -65.965 -4.785 68.971		OH	TYR I	A 608	-64.386				
4906 C TYR A 608 -64.647 -10.165 71.268 1.00 19.33 4907 O TYR A 608 -63.785 -10.541 70.481 1.00 19.69 4908 N VAL A 609 -65.884 -9.891 70.899 1.00 19.79 4910 CB VAL A 609 -67.851 -9.966 69.509 1.00 19.50 4911 CB VAL A 609 -67.851 -9.966 69.509 1.00 19.50 4912 CG2 VAL A 609 -68.363 -9.936 67.988 1.00 19.50 4913 C VAL A 609 -68.423 -11.129 70.204 1.00 17.59 4914 O AL 609 -65.681 -9.042 68.601 1.00 20.82 4915 N THR A 610 -65.480 7.837 69.121 1.00 20.90 4916 C THR A 610 -64.740 -5.495 69.167 1.00 20.90 4918	4904	CE2	TYR I	A 608	-63.367		72.543	1.00	18.99
4907 0 TYR A 608 -63.785 -10.541 70.481 1.00 19.69 4908 N VAL A 609 -65.884 -9.891 70.899 1.00 19.79 4909 CA VAL A 609 -66.332 -10.058 69.509 1.00 19.50 4910 CB VAL A 609 -68.363 -9.936 67.988 1.00 19.50 4912 CG2 VAL A 609 -68.363 -9.936 67.988 1.00 17.59 4913 C VAL A 609 -68.423 -11.129 70.204 1.00 18.52 4914 O VAL A 609 -65.329 -9.340 67.455 1.00 20.32 4915 N THR A 610 -64.789 -6.816 68.351 1.00 20.32 4916 CA THR A 610 -64.749 -6.816 68.351 1.00 20.91 4917 CB THR A 610 -65.965 -4.785 69.917 1.00 20.93 4918 OGI THR A 610 -63.707 -4.544 68.601 1.00 20.30 4920 C THR A 610 -63.945 -47.335 68.971 1.00 20.32 4921	4905	CD2	TYR I	A 608	-63.544	-13.043		1.00	
4908 N VAL A 609 -65.884 -9.891 70.899 1.00 19.79 4910 CB VAL A 609 -66.332 -10.058 69.509 1.00 19.50 4911 CSI VAL A 609 -67.851 -9.966 69.441 1.00 19.50 4912 CSZ VAL A 609 -68.363 -9.936 67.988 1.00 17.59 4913 C VAL A 609 -65.681 -11.22 70.204 1.00 17.59 4913 O VAL A 609 -65.681 -9.042 68.601 1.00 20.82 4915 N THR A 610 -65.329 -9.340 67.455 1.00 20.90 4916 CA THR A 610 -65.480 -7.837 69.121 1.00 20.90 4917 CB THR A 610 -64.740 -5.495 68.916 1.00 20.90 4918 CGI THR A 610 -63.707 -4.544 68.600 1.00 20.5<	4906	C	TYR I	A 608	-64.647	-10.165	71.268	1.00	19.33
4990 CA VAL A 609 -66.332 - 10.058 69.509 1.00 19.80 4910 CB VAL A 609 -67.851 -9.966 69.441 1.00 19.50 4911 CG1 VAL A 609 -68.363 -9.936 67.988 1.00 17.59 4913 C VAL A 609 -68.423 -11.129 70.204 1.00 18.52 4914 O VAL A 609 -65.329 -9.340 67.555 1.00 20.32 4915 N THR A 610 -64.789 -6.816 68.601 1.00 20.32 4916 CA THR A 610 -64.789 -6.816 68.351 1.00 20.87 4917 CB THR A 610 -65.965 -4.785 69.167 1.00 20.91 4919 CS THR A 610 -65.965 -4.785 68.971 1.00 20.91 4910 CS THR A 610 -63.707 -1.544 68.00 1.00 20.91 4921 C THR A 610 -63.707 -1.944 68.00 1.00 20.93	4907	0	TYR 2	A 608	-63.785	-10.541	70.481	1.00	19.69
4910 CB VAL A 609 -67.851 -9.966 69.441 1.00 19.50 4911 CG1 VAL A 609 -68.363 -9.936 67.988 1.00 17.59 4912 CG2 VAL A 609 -68.423 -11.129 70.204 1.00 18.52 4913 C VAL A 609 -65.681 -9.042 68.601 1.00 20.82 4914 O VAL A 609 -65.329 -9.340 67.455 1.00 20.90 4915 N THR A 610 -65.480 -78.87 69.121 1.00 20.90 4917 CB THR A 610 -64.740 -5.495 68.915 1.00 20.90 4918 CG1 THR A 610 -65.965 - 4.785 68.971 1.00 20.91 4919 CG2 THR A 610 -63.707 - 4.544 68.601 1.00 20.91 4920 C THR A 610 -62.941 -7.194 66.803 1.00 21.50 4921 O THR A 610 -63.707 -4.544 68.60 1.00 20.57 4922 N SER A 611 -62.7941 -7.194 66.805 1.00		N	VAL 2	A 609	-65.884	-9.891	70.899	1.00	19.79
4911 CG1 VAL A 609 -68.363 -9.936 67.988 1.00 17.59 4913 C VAL A 609 -68.423 -11.129 70.204 1.00 18.52 4913 C VAL A 609 -65.681 -9.042 66.601 1.00 20.82 4914 O VAL A 609 -65.329 -9.340 67.455 1.00 21.36 4915 N THR A 610 -64.789 -6.816 68.351 1.00 20.97 4917 CB THR A 610 -64.789 -6.816 68.351 1.00 20.90 4918 OCI THR A 610 -65.965 -4.785 68.971 1.00 22.30 4920 C THR A 610 -63.707 -4.544 68.600 1.00 22.30 4921 O THR A 610 -62.941 -7.194 66.800 1.00 20.57 4922 <	4909	CA	VAL 2	A 609	-66.332	-10.058	69.509	1.00	19.80
4912 CG2 VAL A 609 -68.423 - 11.129 70.204 1.00 18.52 4913 C VAL A 609 -65.681 -9.042 68.601 1.00 20.82 4914 O VAL A 609 -65.329 -9.340 67.455 1.00 21.36 4915 N THR A 610 -65.489 -6.816 68.351 1.00 20.90 4917 CB THR A 610 -64.740 -5.495 68.911 1.00 20.91 4918 CG1 THR A 610 -65.965 -4.785 68.971 1.00 20.91 4919 CG2 THR A 610 -63.707 -4.544 68.601 1.00 20.91 4920 C THR A 610 -63.707 -4.544 68.601 1.00 20.27 4921 O THR A 610 -63.707 -4.544 68.60 1.00 20.57 4921 O THR A 610 -62.941 -7.194 66.80 1.00 20.27 4922 N SER A 611 -60.729 -8.786 68.996 1.00 20.33 </td <td>4910</td> <td>CB</td> <td>VAL 2</td> <td>A 609</td> <td>-67.851</td> <td>-9.966</td> <td>69.441</td> <td></td> <td></td>	4910	CB	VAL 2	A 609	-67.851	-9.966	69.441		
4913 C VAL A 609 -65.681 -9.042 68.601 1.00 20.82 4914 O VAL A 609 -65.329 -9.340 67.455 1.00 21.36 4915 N THR A 610 -65.480 -7.837 69.121 1.00 20.93 4916 CA THR A 610 -64.780 -68.16 68.51 1.00 20.97 4918 OE THR A 610 -64.780 -64.785 69.167 1.00 20.93 4919 CE THR A 610 -65.965 -4.785 68.917 1.00 20.93 4921 O THR A 610 -63.394 -7.313 68.007 1.00 20.98 4921 O THR A 610 -63.394 -7.313 68.007 1.00 20.98 4921 O THR A 610 -62.941 -7.194 66.801 1.00 20.87 4922 N SER A 611 -62.799 -7.876 68.996 1.00 20.57 4924 CB SER A 611 -61.348 <t-8.392< td=""> 68.812 1.00 20.57</t-8.392<>	4911	CG1	VAL 2	A 609	-68.363	-9.936	67.988	1.00	17.59
4914 O VAL A 609 -65.329 -9.340 67.455 1.00 21.36 4915 N THR A 610 -65.329 -9.340 67.455 1.00 22.36 4916 CA THR A 610 -64.789 -6.816 68.351 1.00 20.93 4917 CB THR A 610 -64.740 -5.495 69.167 1.00 22.93 4918 OG2 THR A 610 -65.965 -4.785 68.971 1.00 22.93 4920 C THR A 610 -63.707 -4.544 68.60 1.00 22.15 4921 O THR A 610 -62.941 -7.194 66.80 1.00 22.27 4922 N SER A 611 -62.941 -7.194 66.80 1.00 22.03 4924 CB SER A 611 -60.729 -8.720 70.176 1.00 20.53 4925 G	4912	CG2	VAL	A 609	-68.423	-11.129	70.204	1.00	18.52
4915 N THR A 610 -65.480 -7.837 69.121 1.00 20.90 4916 CA THR A 610 -64.7489 -6.816 68.351 1.00 20.87 4917 CB THR A 610 -64.740 -5.495 69.167 1.00 20.91 4918 OGI THR A 610 -65.965 -64.7485 68.971 1.00 20.91 4920 C THR A 610 -63.707 -4.544 68.630 1.00 20.98 4921 O THR A 610 -62.941 -7.134 66.860 1.00 20.98 4922 N SER A 611 -62.709 -7.876 66.860 1.00 20.87 4923 C SER A 611 -61.348 -8.392 68.812 1.00 20.57 4924 CB SER A 611 -60.729 -8.720 70.176 1.00 20.33 4925 CG SER A 611 -60.765 -7.600 71.004 71.00 20.55 4926 C SER A 611 -60.7366 -7.639 <t< td=""><td>4913</td><td>C</td><td>VAL 2</td><td>A 609</td><td>-65.681</td><td>-9.042</td><td>68.601</td><td>1.00</td><td>20.82</td></t<>	4913	C	VAL 2	A 609	-65.681	-9.042	68.601	1.00	20.82
4916 CA THR A 610 -64.789 -6.816 68.351 1.00 20.87 4917 CB THR A 610 -64.740 -5.495 69.167 1.00 20.91 4918 OG1 THR A 610 -65.965 -4.785 68.971 1.00 20.91 4919 CS2 THR A 610 -63.707 -4.544 68.001 1.00 20.30 4920 C THR A 610 -63.707 -4.544 68.001 1.00 20.30 4921 O THR A 610 -62.941 -7.194 66.600 1.00 20.37 4922 N SER A 611 -62.941 -7.194 66.806 1.00 20.57 4923 CA SER A 611 -61.348 -8.392 68.812 1.00 20.57 4924 CB SER A 611 -60.765 -7.600 71.046 1.00 20.32 4925 O SER A 611 -60.765 -7.600 71.046 1.00 20.33 4927 O SER A 611 -60.749 -9.803 67.049	4914	0	VAL 2	A 609	-65.329	-9.340	67.455	1.00	21.36
4917 CB THR A 610 -64.740 -5.495 69.167 1.00 22.91 4918 CGI THR A 610 -65.695 -4.785 68.971 1.00 22.30 4919 CG2 THR A 610 -63.707 -4.544 68.600 1.00 22.92 4921 C THR A 610 -62.941 -7.134 68.007 1.00 22.92 4922 N SER A 610 -62.709 -7.876 68.996 1.00 20.98 4923 CA SER A 611 -61.348 -8.392 68.812 1.00 20.37 4925 CB SER A 611 -60.729 -8.720 70.176 1.00 20.33 4925 CB SER A 611 -60.729 -8.720 70.176 1.00 20.23 4926 C SER A 611 -60.765 -7.600 71.002 71.00 20.33 4927 O SER A 611 -60.799 -8.720 70.176 1.00 20.25 4928 N MET A 612 -62.238 10.586 68.997	4915	N	THR 3	A 610	-65.480	-7.837	69.121	1.00	20.90
4918 OG1 THR A 610 -65.965 -4.785 68.971 1.00 22.30 4920 CC THR A 610 -63.707 -4.544 68.630 1.00 21.50 4921 C THR A 610 -63.394 -7.313 68.007 1.00 22.97 4921 O THR A 610 -62.941 -7.194 66.800 1.00 22.27 4922 N SER A 611 -62.907 -7.876 68.996 1.00 20.57 4923 CA SER A 611 -61.348 -8.392 68.812 1.00 20.57 4924 CB SER A 611 -60.765 -7.600 71.046 1.00 20.57 4925 O SER A 611 -60.765 -7.600 71.046 1.00 20.22 4927 O SER A 611 -60.765 -7.600 71.046 1.00 20.57 4928 N MET A 612 -62.238 -10.588 6.997 1.00 20.53 4928 N MET A 612 -62.367 -11.751 6.397 <	4916	CA	THR 3	A 610	-64.789	-6.816	68.351	1.00	20.87
4919 CG2 THR A 610 -63.707 -4.544 68.630 1.00 21.50 4920 C THR A 610 -63.934 -7.313 68.007 1.00 22.98 4921 O THR A 610 -62.941 -7.194 66.860 1.00 22.27 4923 CA SER A 611 -61.348 -8.332 68.812 1.00 20.57 4925 OB SER A 611 -60.729 -8.720 70.176 1.00 20.33 4926 C SER A 611 -60.765 -7.600 71.046 1.00 20.23 4927 O SER A 611 -60.799 -8.720 071.76 1.00 20.53 4928 C SER A 611 -60.749 -9.803 67.049 1.00 20.53 4927 O SER A 611 -61.326 -9.649 67.927 1.00 20.65 4928 N MET A 612 -62.238 10.569 68.197 1.00 20.77	4917	CB	THR 2	A 610	-64.740	-5.495	69.167	1.00	20.91
4920 C THR A 610 -63.394 -7.313 68.007 1.00 22.98 4921 O THR A 610 -62.941 -7.194 66.800 1.00 22.27 4922 N SER A 611 -62.709 -7.876 68.996 1.00 20.57 4923 CA SER A 611 -61.348 -8.392 68.812 1.00 20.57 4925 OG SER A 611 -60.765 -7.600 71.046 1.00 20.22 4926 C SER A 611 -60.765 -7.600 71.046 1.00 20.53 4927 O SER A 611 -60.479 -9.803 67.049 1.00 20.53 4928 N MET A 612 -62.238 -10.568 68.197 1.00 20.53 4929 A MET A 612 -63.511 -12.606 67.370 1.00 21.52 4931 CG MET A 612 -63.511 -12.606 67.889 1.00 21.52 4932 SD MET A 612 -61.798 -14.330 69.207	4918	OG1	THR 2	A 610	-65.965	-4.785	68.971	1.00	22.30
4920 C THR A 610 -63.394 -7.313 68.007 1.00 20.98 4921 O THR A 610 -62.941 -7.194 66.860 1.00 22.27 4922 N SER A 611 -62.709 -7.876 68.996 1.00 20.87 4923 CA SER A 611 -62.709 -7.870 68.996 1.00 20.57 4924 CB SER A 611 -60.729 -8.720 70.176 1.00 20.53 4925 OG SER A 611 -60.765 -7.600 71.046 1.00 20.22 4927 O SER A 611 -60.479 -9.803 67.049 1.00 20.53 4928 N MET A 612 -62.238 -10.568 68.197 1.00 20.53 4929 O MET A 612 -62.367 -11.751 67.370 1.00 20.97 4931 CG MET A 612 -63.511 -12.606 67.889 1.00 20.97 4932 SD MET A 612 -61.798 -14.330 69.207	4919	CG2	THR 2	A 610	-63.707	-4.544	68.630	1.00	21.50
4922 N SER A 611 -62.709 -7.876 68.996 1.00 20.87 4924 CA SER A 611 -60.709 -8.720 68.812 1.00 20.57 4925 CB SER A 611 -60.729 -8.720 70.176 1.00 20.52 4925 C SER A 611 -60.765 -7.600 71.046 1.00 20.52 4927 O SER A 611 -60.479 -9.803 67.049 1.00 20.63 4928 N MET A 612 -62.238 -10.568 68.197 1.00 20.77 4930 CB MET A 612 -62.367 -11.751 67.370 1.00 21.12 4931 CE MET A 612 -63.511 -12.606 67.889 1.00 20.97 4932 SD MET A 612 -61.798 -14.330 69.207 1.00 23.15 4933 CE MET A 612 -62.568 -15.751 68.577 1.00 23.1	4920	С	THR 2	A 610	-63.394	-7.313	68.007		
4923 CA SER A 611 -61.348 -8.392 68.812 1.00 20.57 4924 CB SER A 611 -60.729 -8.720 70.176 1.00 20.33 4925 CG SER A 611 -60.765 -7.600 71.046 1.00 20.22 4926 C SER A 611 -61.326 -9.649 67.927 1.00 20.65 4927 O SER A 611 -60.749 -9.803 67.049 1.00 20.02 4929 CA MET A 612 -62.238 -10.568 68.197 1.00 20.77 4930 CB MET A 612 -63.511 -12.606 67.889 1.00 20.97 4931 CG MET A 612 -61.798 -14.330 69.207 1.00 21.34 4933 CE MET A 612 -61.798 -14.330 69.207 1.00 21.34 4933 C MET A 612 -62.568 -15.751 65.771 1.00 22.70 4933 C MET A 612 -62.618 -11.1787 64.992	4921	0	THR 2	A 610	-62.941	-7.194	66.860	1.00	22.27
4924 CB SER A 611 -60.729 -8.720 70.176 1.00 20.33 4925 CG SER A 611 -60.765 -7.600 71.046 1.00 20.63 4927 C SER A 611 -61.326 -9.649 67.927 1.00 20.63 4928 N MET A 612 -62.367 -11.751 67.370 1.00 20.73 4930 CB MET A 612 -62.367 -11.751 67.370 1.00 20.79 4931 CB MET A 612 -63.511 -12.606 67.889 1.00 20.79 4932 SD MET A 612 -63.193 -13.164 69.283 1.00 21.12 4933 CE MET A 612 -61.798 14.330 69.207 1.00 23.15 4933 CE MET A 612 -62.568 15.751 68.577 1.00 22.73 4934 C MET A 612 -62.568 15.751 68.577 1.00 22.3	4922	N	SER A	A 611	-62.709	-7.876	68.996	1.00	20.87
4925 OG SER A 611 -60.765 -7.600 71.046 1.00 20.22 4926 C SER A 611 -60.765 -9.649 67.927 1.00 20.65 4927 O SER A 611 -60.479 -9.803 67.049 1.00 20.65 4928 N MET A 612 -62.238 -10.588 68.197 1.00 20.77 4930 CB MET A 612 -62.367 -11.751 67.370 1.00 21.02 4931 CG MET A 612 -63.511 -12.606 67.889 1.00 20.97 4932 SD MET A 612 -61.798 -14.330 69.207 1.00 23.15 4933 CE MET A 612 -62.568 -15.751 68.577 1.00 22.70 4934 C MET A 612 -62.568 -15.751 68.577 1.00 22.34 4935 O MET A 612 -62.618 -11.310 65.931 1.00 22.34 4934 C MET A 612 -62.618 -11.310 65.931	4923	CA	SER A	A 611	-61.348	-8.392	68.812	1.00	20.57
4925 OG SER A 611 -60.765 -7.600 71.046 1.00 20.22 4926 C SER A 611 -60.765 -9.649 67.927 1.00 20.65 4927 O SER A 611 -60.479 -9.803 67.049 1.00 20.65 4928 N MET A 612 -62.238 -10.588 68.197 1.00 20.77 4930 CB MET A 612 -62.367 -11.751 67.370 1.00 21.02 4931 CG MET A 612 -63.511 -12.606 67.889 1.00 20.97 4932 SD MET A 612 -61.798 -14.330 69.207 1.00 23.15 4933 CE MET A 612 -62.568 -15.751 68.577 1.00 22.70 4934 C MET A 612 -62.568 -15.751 68.577 1.00 22.34 4935 O MET A 612 -62.618 -11.310 65.931 1.00 22.34 4934 C MET A 612 -62.618 -11.310 65.931	4924	CB	SER A	A 611	-60.729	-8.720	70.176	1.00	20.33
4926 C SER A 611 -61.326 -9.649 67.927 1.00 20.65 4927 O SER A 611 -60.479 -9.803 67.049 1.00 20.83 4928 N MET A 612 -62.238 -10.568 68.197 1.00 20.77 4930 CB MET A 612 -63.511 -12.606 67.889 1.00 20.97 4931 CG MET A 612 -63.193 -13.164 69.283 1.00 20.97 4933 CE MET A 612 -61.798 -14.330 69.207 1.00 23.15 4934 C MET A 612 -62.568 -15.751 68.577 1.00 22.134 4935 O MET A 612 -62.618 -11.310 65.931 1.00 22.134 4935 O MET A 612 -62.618 -11.787 64.992 1.00 22.34 4935	4925	OG	SER A	A 611	-60.765	-7.600	71.046	1.00	20.22
4927 O SER A 611 -60.479 -9.803 67.049 1.00 20.83 4928 N MET A 612 -62.238 -10.568 68.197 1.00 20.77 4929 CA MET A 612 -62.367 -11.751 67.370 1.00 21.12 4931 CE MET A 612 -63.511 -12.606 67.889 1.00 20.97 4932 SD MET A 612 -61.798 -14.330 69.207 1.00 23.15 4933 CE MET A 612 -62.568 -15.751 65.791 1.00 22.70 4934 C MET A 612 -62.568 -15.751 65.791 1.00 22.70 4935 O MET A 612 -62.568 -15.751 65.791 1.00 22.34 4935 O MET A 612 -62.568 -15.751 65.793 1.00 21.34 4935 O MET A 612 -62.518 -11.787 64.992 1.00 21.34 4935 O MET A 612 -61.983 -11.787 64.992									
4928 N MET A 612 -62.238 -10.568 68.197 1.00 20.77 4929 CA MET A 612 -62.367 -11.751 67.370 1.00 21.12 4930 CB MET A 612 -63.511 -12.606 67.889 1.00 20.97 4931 CB MET A 612 -63.511 -12.606 67.889 1.00 20.97 4932 SD MET A 612 -61.798 -14.330 69.207 1.00 23.15 4933 CE MET A 612 -62.568 -15.751 68.577 1.00 22.70 4934 C MET A 612 -62.618 -11.310 65.931 1.00 20.82 4935 O MET A 612 -62.618 -11.310 65.931 1.00 20.315 4935 O MET A 612 -62.618 -11.310 65.931 1.00 20.32 4935 O MET A 612 -62.618 -11.310 63.927 1.00 20.32									
4929 CA CB MET A 612 -62.367 -11.751 67.370 1.00 21.12 4931 CB MET A 612 -63.511 -12.606 67.889 1.00 20.97 4932 CB MET A 612 -63.193 -13.164 69.283 1.00 21.19 4933 CE MET A 612 -61.798 -14.330 69.207 1.00 23.15 4934 C MET A 612 -62.668 -15.751 68.577 1.00 22.34 4935 O MET A 612 -62.618 -11.310 65.931 1.00 21.34 4935 N VAL A 613 -63.527 -10.364 65.764 1.00 21.34									
4930 CB MET A 612 -63.511 -12.606 67.889 1.00 20.97 4931 CG MET A 612 -63.193 -13.164 69.283 1.00 21.19 4932 SD MET A 612 -61.798 -14.330 69.207 1.00 23.15 4933 CE MET A 612 -62.568 -15.751 68.577 1.00 22.70 4934 C MET A 612 -62.618 -11.310 65.931 1.00 21.34 4935 O MET A 612 -61.983 -11.787 64.992 1.00 20.82 4935 N VAL A 613 -63.527 -10.364 65.764 1.00 21.34									
4931 CG MET A 612 -63.193 -13.164 69.283 1.00 21.19 4932 SD MET A 612 -61.798 -14.330 69.207 1.00 23.15 4933 CE MET A 612 -62.568 -15.751 68.577 1.00 22.70 4935 C MET A 612 -62.618 -11.310 65.931 1.00 21.34 4935 N VAL A 613 -63.527 -10.364 64.992 1.00 20.282									
4932 SD MET A 612 -61.798 -14.330 69.207 1.00 23.15 4933 CE MET A 612 -62.568 -15.751 68.577 1.00 22.70 4934 C MET A 612 -62.618 -11.310 65.931 1.00 21.34 4935 O MET A 612 -61.983 -11.787 64.992 1.00 20.82 4935 N VAL A 613 -63.527 -10.364 65.764 1.00 21.34									
4933 CE MET A 612 -62.568 -15.751 68.577 1.00 22.70 4934 C MET A 612 -62.618 -11.310 65.931 1.00 21.34 4935 O MET A 612 -61.983 -11.787 64.992 1.00 20.82 4936 N VAL A 613 -63.527 -10.364 65.764 1.00 21.34									
4934 C MET A 612 -62.618 -11.310 65.931 1.00 21.34 4935 O MET A 612 -61.983 -11.787 64.992 1.00 20.82 4936 N VAL A 613 -63.527 -10.364 65.764 1.00 21.34									
4935 O MET A 612 -61.983 -11.787 64.992 1.00 20.82 4936 N VAL A 613 -63.527 -10.364 65.764 1.00 21.34									
4936 N VAL A 613 -63.527 -10.364 65.764 1.00 21.34									

FIGURE 3 CS

A	В	С	D	Е		F	G	Н		I	J
4938	CB	VAL	D.	613	-64	.908	-8.765	64.	183	1 00	22.08
4939	CG1	VAL				.827	-7.843	63.			20.14
4940	CG2	VAL				.283	-9.398	64.			20.64
4941	C	VAL				.541	-9.189	63.		1.00	22.48
4942	0	VAL				.172	-9.483	62.			23.29
4943	N	LEU				.910	-8.262	64.			22.81
4944	CA	LEU				.700	-7.582	64.			22.75
4945	CB	LEU				.168	-6.632	65.			22.12
4946	CG	LEU				.839	-5.259	65.		1.00	22.33
4947	CD1	LEU				.855	-4.586	63.		1.00	20.46
4948	CD2	LEU				.135	-4.379	66.		1.00	19.62
4949	C	LEU				.576	-8.562	63.			23.50
4950	ō	LEU				.803	-8.318	62.			22.74
4951	N	GLY			-59	.469	-9.679	64.		1.00	24.16
4952	CA	GLY				.389	-10.598	64.			24.56
4953	C	GLY			-58	.811	-11.723	63.	204	1.00	25.13
4954	o	GLY				.144	-12.750	63.			25.78
4955	N	SER			-59	.914	-11.516	62.	493	1.00	24.85
4956	CA	SER	Α	616	-60	.465	-12.555	61.	625	1.00	25.43
4957	CB	SER	Α	616	-61	.980	-12.439	61.		1.00	24.54
4958	OG	SER	Α	616	-62	.338	-11.405	60.	653	1.00	25.35
4959	C	SER	Α	616	-59	.914	-12.534	60.	201	1.00	26.05
4960	0	SER					-13.505	59.		1.00	26.76
4961	N	GLY	Α	617	-59	.319	-11.418	59.	790	1.00	26.16
4962	CA	GLY	Α	617	-58	.770	-11.308	58.	458	1.00	26.91
4963	С	GLY	Α	617	-59	.816	-11.051	57.	390	1.00	27.84
4964	0	GLY	Α	617	-59	.518	-11.116	56.	198	1.00	28.65
4965	N	SER	Α	618	-61	.041	-10.746	57.	806	1.00	27.72
4966	CA	SER	Α	618	-62	.104	-10.495	56.	B54	1.00	27.42
4967	CB	SER	Α	618	-63	.412	-10.148	57.	573	1.00	27.27
4968	OG	SER	Α	618	-63	.443	-8.776	57.	938	1.00	26.02
4969	C	SER	Α	618	-61	.745	-9.365	55.	905	1.00	27.44
4970	0	SER	Α	618	-62	.182	-9.359	54.	775	1.00	28.42
4971	N	GLY	Α	619	-60	.958	-8.402	56.	368	1.00	27.41
4972	CA	GLY				.626	-7.237	55.			26.48
4973	С	GLY	Α	619	-61	.742	-6.213	55.	513	1.00	25.98
4974	0	GLY	Α	619	-61	.645	-5.190	54.			26.95
4975	N	VAL				.814	-6.471	56.			25.53
4976	CA	VAL				.963	-5.596	56.		1.00	24.51
4977	CB	VAL				.201	-6.328	56.		1.00	24.57
4978	CG1	VAL				.337	-5.339	56.		1.00	26.07
4979	CG2	VAL				.661	-7.401	55.			23.73
4980	C	VAL				.745	-4.355	57.			24.42
4981	0	VAL				.141	-3.242	56.		1.00	24.86
4982	N	PHE				.075	-4.535	58.			23.10
4983	CA			621		.945	-3.473	59.			23.04
4984	CB	PHE				.239	-4.007	60.			22.40
4985	CG	PHE				.635	-4.567	60.			22.15
4986	CD1			621		.936	-5.855	60.			21.19
4987	CE1	PHE				.213	-6.367	60.			19.39
4988	CZ	PHE	Α	621	-67	.210	-5.607	60.	905	1.00	18.20

FIGURE 3 CT

A	В	C	D	Е		F		G		Н	I	J
4989	CE2	PHE	А	621	-6	6.930	_	4.325	6	1.341	1.00	21.85
4990	CD2	PHE				55.646		3.810		1.220	1.00	
4991	C	PHE				51.605		2.790		9.038		23.53
4992	0	PHE	Α	621	-6	50.574	_	3.434	5	8.902	1.00	23.71
4993	N	LYS	Α	622	-6	51.625	-	1.468	5	9.122	1.00	23.65
4994	CA	LYS	Α	622	-6	50.373	-	0.731	5	9.100	1.00	23.95
4995	CB	LYS	Α	622	-6	50.603		0.675	5	8.550	1.00	23.87
4996	CG	LYS	Α	622		9.352		1.521	5	8.470	1.00	22.68
4997	CD	LYS	Α	622		9.710		2.933	5	7.967	1.00	
4998	CE	LYS				8.478		3.655		7.412	1.00	
4999	NZ	LYS				7.624		4.200		8.507		28.09
5000	C	LYS				9.781		0.632		0.505	1.00	
5001	0	LYS				8.566		0.661		0.684		23.21
5002	N	CYS				60.645		0.501		1.495	1.00	
5003	CA	CYS				0.166	-	0.293		2.857	1.00	
5004	CB	CYS				9.860		1.182		3.083		24.69
5005 5006	SG C	CYS				51.320 51.243		0.698		2.772 3.840	1.00	30.15
5000	Ö	CYS				52.403		0.866		3.466	1.00	
5008	N	GLY				50.862		0.871		5.099	1.00	
5009	CA	GLY				51.840		1.187		6.120	1.00	
5010	C	GLY				51.314		0.848		7.495	1.00	
5011	o	GLY				50.132		0.635		7.653	1.00	
5012	N	ILE				52.209		0.813		8.475	1.00	19.69
5013	CA	ILE				51.873		0.530		9.852	1.00	18.81
5014	CB			625		52.539		0.816		0.289	1.00	19.01
5015	CG1	ILE	Α	625	-6	52.211		1.945	6	9.321	1.00	16.11
5016	CD1	ILE	Α	625	-6	52.914		3.197	6	9.682	1.00	16.02
5017	CG2	ILE	Α	625	-6	52.188		1.161	7	1.746	1.00	17.25
5018	C	ILE				52.497		1.616		0.714	1.00	18.34
5019	0	ILE				53.681		1.858		0.592	1.00	18.65
5020	N	ALA				51.729		2.222		1.610	1.00	17.80
5021	CA	ALA				52.288		3.197		2.543	1.00	17.73
5022	CB	ALA				51.597		4.520		2.443	1.00	17.61
5023	С	ALA				52.125		2.654		3.937	1.00	17.44
5024	0	ALA				51.050		2.290		4.309	1.00	17.61
5025	N CA	VAL				3.204		2.613		4.703	1.00	17.74 17.94
5026 5027	CB	VAL				53.141 54.189		1.037		6.066	1.00	18.00
5028	CG1	VAL				54.074		0.544		7.788	1.00	16.19
5029	CG2	VAL				53.990		0.113		5.368	1.00	16.44
5030	C	VAL				53.416	_	3.319		6.992	1.00	18.36
5031	o	VAL				54.425		3.988		6.833	1.00	19.01
5032	N	ALA				52.528		3.539		7.963	1.00	17.77
5033	CA	ALA				52.620		4.654		8.907	1.00	17.24
5034	CB	ALA				53.491		4.281		0.065	1.00	17.08
5035	C	ALA	Α	628		3.065	_	5.997		8.288	1.00	17.61
5036	0	ALA	Α	628	-6	3.979	-	6.666		8.806	1.00	17.63
5037	N	PRO			- (52.396	-	6.409	7	7.213	1.00	17.78
5038	CA	PRO	Α	629	- (52.741	-	7.655	7	6.511	1.00	18.00
5039	CB	PRO	Α	629	-6	51.836	-	7.606	7	5.267	1.00	17.83

FIGURE 3 CU

A	В	С	D	E		F	G		Н	I	J
5040	CG	PRO	Α	629	-60	.617	-6.764	. 7	5.745	1.00	18.80
5041	CD	PRO	Α	629	-61	.279	-5.681	. 7	6.557	1.00	18.05
5042	C	PRO	Α	629	-62	.392	-8.941	. 7	7.243	1.00	18.89
5043	0	PRO	Α	629	-61	.370	-9.040	7	7.919	1.00	19.33
5044	N	VAL	Α	630	-63	3.226	-9.952	7	7.076	1.00	19.22
5045	CA	VAL	Α	630	-62	2.841	-11.281	. 7	7.480	1.00	19.56
5046	CB	VAL	Α	630	-64	1.083	-12.211		7.510	1.00	19.47
5047	CG1	VAL	Α	630	-63	3.676	-13.691	. 7	7.445	1.00	19.05
5048	CG2	VAL	Α	630	-64	1.900	-11.946		8.783	1.00	20.10
5049	C	VAL				1.865	-11.663	7	6.369	1.00	20.33
5050	0	VAL		630		2.067	-11.286		5.214	1.00	20.14
5051	N	SER				775	-12.350		6.682	1.00	21.22
5052	CA	SER				829	-12.710		5.615	1.00	20.43
5053	CB	SER				3.464	-12.108		5.876	1.00	20.42
5054	OG	SER				7.862	-12.676		7.020	1.00	18.57
5055	C	SER		631		726	-14.227		5.476	1.00	21.06
5056	0	SER		631		361	-14.750		4.420	1.00	20.72
5057	N	ARG		632		9.999	-14.934		6.565	1.00	20.45
5058	CA	ARG		632		.150	-16.371		6.465	1.00	21.36
5059	CB	ARG				3.829	-17.156		6.390	1.00	22.35
5060	CG	ARG		632		3.075	-17.244		7.640	1.00	24.12
5061 5062	CD NE	ARG ARG				7.443	-18.589 -19.084		7.891 6.792	1.00	30.00
5062	CZ	ARG		632		5.772	-20.100		6.890	1.00	34.46
5064	NH1	ARG				.082	-20.100		5.814	1.00	31.79
5065	NH2	ARG		632		5.584	-20.728		8.063	1.00	33.30
5066	C	ARG		632		1.047	-16.823		7.580	1.00	20.38
5067	Ö	ARG		632		0.965	-16.333		8.714	1.00	20.35
5068	N	TRP		633		.905	-17.759		7.235	1.00	19.02
5069	CA	TRP		633		2.980	-18.174		8.109	1.00	19.38
5070	CB	TRP		633		3.983	-19.028		7.300	1.00	19.10
5071	CG	TRP		633		1.675	-18.118		6.375	1.00	18.44
5072	CD1	TRP	Α	633	-64	1.589	-18.087	7	5.002	1.00	16.62
5073	NE1	TRP	Α	633	-65	.343	-17.046	7	4.512	1.00	18.58
5074	CE2	TRP	Α	633	-65	.911	-16.369	7	5.565	1.00	17.12
5075	CD2	TRP	Α	633	-65	5.503	-17.013	7	6.751	1.00	17.08
5076	CE3	TRP	Α	633		.964	-16.515		7.978	1.00	15.56
5077	CZ3	TRP		633		.798	-15.409		7.981	1.00	17.56
5078	CH2		Α	633		7.182	-14.793		6.790	1.00	18.04
5079	CZ2	TRP		633		5.741	-15.258		5.569	1.00	17.98
5080	С	TRP		633		2.545	-18.770		9.450	1.00	20.13
5081	0	TRP		633		3.253	-18.613		0.431	1.00	21.01
5082	N	GLU				.352	-19.353		9.527	1.00	20.46
5083	CA		Α	634		.849	-19.887		0.802	1.00	21.33
5084	CB	GLU		634		.596	-20.758		0.564		21.47
5085	CG	GLU		634		9.904	-22.204 -22.837		0.183	1.00	23.57
5086 5087	OE1	GLU		634 634		3.822	-22.837		9.320 8.094	1.00	28.36
5087	OE1		A	634		7.985	-22.583		9.860	1.00	30.14
5089	C	GLU		634			-18.779		1.829		21.53
5090	0	GLU					-19.037		3.021		20.99
5050	0	OHO	11	034	-00		10.007	0	J. UZI	1.00	20.33

FIGURE 3 CV

A	В	С	D	Е	F		G	H	1	J
5091	N	TYR	Α	635	-60.41	9 -	17.542	81.364	1.00	22.11
5092	CA			635	-60.12	3 -	16.417	82.257	1.00	21.19
5093	CB			635			15.251	81.478		20.79
5094	CG			635	-58.13		15.492	80.919		21.12
5095	CD1			635	-57.33		16.509	81.406		20.15
5096	CE1			635	-56.07		16.727	80.897		20.96
5097	CZ			635	-55.58		15.910	79.895		21.25
5098	OH			635	-54.31		16.139	79.382		21.05
5099	CE2			635	-56.35		14.884	79.400	1.00	19.15
5100	CD2			635	-57.62		14.683	79.906		21.12
5101	C			635	-61.39		15.929	82.864		21.28
5102	0			635	-61.39		15.214	83.879		22.46
5102	N			636	-62.51		16.299	82.267		21.33
					-63.76		15.712	82.736		21.33
5104 5105	CA CB			636 636			15.289	81.570		20.83
					-65.72					20.83
5106	CG			636			14.318	82.011		
5107	CD1			636	-65.38		13.145	82.657		20.12
5108	CE1			636	-66.34		12.264	83.101		21.74
5109	CZ			636	-67.67		12.553	82.900	1.00	
5110	OH			636	-68.63		11.678	83.346		22.21
5111	CE2			636			13.727	82.274		20.77
5112	CD2			636	-67.06		14.604	81.839		21.02
5113	С			636	-64.47		16.571	83.786		22.12
5114	0			636	-64.08		17.732	84.031		22.47
5115	N	ASP			-65.49		16.015	84.440		21.83
5116	CA	ASP			-66.08		16.761	85.542		22.58
5117	CB	ASP			-66.93		15.866	86.464		22.18
5118	CG	ASP			-68.21		15.407	85.826		22.98
5119	OD1	ASP					16.233	85.659		22.99
5120	OD2	ASP			-68.42		14.222	85.505		24.25
5121	С	ASP			-66.83		18.031	85.108		22.89
5122	0	ASP			-67.37		18.135	84.001		22.92
5123	N			638	-66.87		18.990	86.019		23.10
5124	CA	SER	Α	638	-67.41		20.308	85.718	1.00	23.30
5125	CB	SER	Α	638	-67.15		21.254	86.906		23.90
5126	OG			638	-67.82		20.801	88.071		23.09
5127	C	SER	Α	638	-68.88		20.339	85.373		23.53
5128	0	SER	Α	638	-69.26	1 -	21.000	84.421	1.00	24.64
5129	N			639	-69.73	4 -	19.648	86.118	1.00	23.29
5130	CA	VAL	Α	639	-71.14	5 -	19.850	85.835		23.29
5131	CB	VAL	Α	639	-72.08	9 -	19.592	87.067	1.00	24.01
5132	CG1	VAL	Α	639	-73.13	1 -	18.523	86.842	1.00	22.27
5133	CG2	VAL	Α	639	-71.29	3 -	19.459	88.367	1.00	23.50
5134	С	VAL	Α	639	-71.60	7 -	19.215	84.543	1.00	23.93
5135	0	VAL	Α	639	-72.50	5 -	19.725	83.879	1.00	23.23
5136	N	TYR	Α	640	-70.97	7 -	18.108	84.162	1.00	23.68
5137	CA	TYR	Α	640	-71.35	6 -	17.513	82.911	1.00	23.15
5138	CB	TYR	Α	640	-70.84	0 -	16.083	82.815	1.00	22.59
5139	CG	TYR	Α	640	-71.20	3 -	15.375	81.518	1.00	21.34
5140	CD1	TYR	Α	640	-72.32	7 -	14.557	81.450	1.00	18.73
5141	CE1	TYR	Α	640	-72.65	9 -	13.891	80.285	1.00	19.07

FIGURE 3 CW

A	В	C	D	Е	F	G	H	I	J
5142	CZ	TYR	А	640	-71.859	-14.044	79.158	1.00	18.83
5143	OH			640	-72.182		78.016		20.13
5144	CE2			640	-70.751	-14.853	79.181	1.00	18.02
5145	CD2			640	-70.416	-15.521	80.363	1.00	18.53
5146	C			640	-70.772	-18.361	81.788		23.14
5147	0			640	-71.481	-18.811	80.905		22.95
5148	N			641	-69.461	-18.553	81.839		23.13
5149	CA	THR			-68.728	-19.262	80.805		22.36
5150	CB			641	-67.247	-19.284	81.186		22.36
5150		THR				-17.930			21.49
	OG1				-66.793		81.327		
5152	CG2			641	-66.390	-19.870	80.050	1.00	19.59
5153	C	THR			-69.206	-20.683	80.551		23.09
5154	0			641	-69.448	-21.063	79.406		22.58
5155	N			642	-69.318	-21.476	81.614		23.11
5156	CA			642	-69.665	-22.884	81.449		23.47
5157	CB	GLU		642	-69.489	-23.619	82.775		23.64
5158	CG	GLU		642	-68.054	-23.600	83.260		21.61
5159	CD	GLU		642	-67.941	-24.019	84.701		23.47
5160	OE1	GLU		642	-68.965	-24.442	85.266		24.23
5161	OE2	GLU		642	-66.830	-23.920	85.270		24.27
5162	C	GLU		642	-71.061	-23.055	80.905		23.51
5163	0	GLU		642	-71.372	-24.027	80.202		24.20
5164	N			643	-71.909	-22.098	81.232		23.66
5165	CA	ARG	Α	643	-73.260	-22.067	80.718		23.80
5166	CB	ARG	Α	643	-73.905	-20.732	81.047		23.72
5167	CG	ARG	Α	643	-75.391	-20.698	80.758		23.14
5168	CD	ARG	Α	643	-76.036	-19.365	81.033	1.00	25.73
5169	NE	ARG	Α	643	-75.932	-18.954	82.436	1.00	24.82
5170	CZ	ARG	Α	643	-75.662	-17.718	82.842	1.00	22.95
5171	NH1	ARG	Α	643	-75.437	-16.746	81.978	1.00	20.65
5172	NH2	ARG	Α	643	-75.612	-17.454	84.131	1.00	24.06
5173	C	ARG	Α	643	-73.305	-22.232	79.205	1.00	23.97
5174	0	ARG	Α	643	-74.177	-22.902	78.674	1.00	24.18
5175	N	TYR	Α	644	-72.391	-21.572	78.513	1.00	24.34
5176	CA	TYR	Α	644	-72.379	-21.611	77.065	1.00	24.78
5177	CB	TYR	Α	644	-72.177	-20.194	76.505	1.00	24.45
5178	CG	TYR	Α	644	-73.057	-19.193	77.190	1.00	23.62
5179	CD1	TYR	Α	644	-74.429	-19.230	77.035	1.00	23.88
5180	CE1	TYR	Α	644	-75.231	-18.332	77.684	1.00	24.08
5181	CZ	TYR	Α	644	-74.651	-17.399	78.527	1.00	24.09
5182	OH	TYR	Α	644	-75.414	-16.507	79.204	1.00	23.00
5183	CE2	TYR		644	-73.302	-17.357	78.705	1.00	23.96
5184	CD2	TYR	А	644	-72.515	-18.255	78.047	1.00	24.31
5185	С	TYR			-71.260	-22.499	76.555		24.67
5186	ō	TYR			-71.304	-22.959	75.429		24.91
5187	N	MET	Α	645	-70.276	-22.764	77.393		24.31
5188	CA	MET		645	-69.072	-23.402	76.898		25.36
5189	CB	MET		645	-67.863		77.129		25.32
5190	CG		A	645	-67.842	-21.234	76.231	1.00	26.08
5191	SD			645	-67.399		74.533		29.71
5192	CE			645		-22.145	74.848		26.46

FIGURE 3 CX

A	В	С	D	E	F		G	Н	I	J
5193	С	MET	А	645	-68.7	69	-24.767	77.478	1.00	25.69
5194	ō			645	-67.8		-25.421	77.017		25.66
5195	N			646	-69.5		-25.189	78.486	1.00	26.08
5196	CA			646	-69.2		-26.447	79.143	1.00	
5197	C			646	-67.9		-26.242	79.871		28.29
5198	Ö	GLY		646	-67.4		-25.105	80.023	1.00	29.19
5199	N	LEU		647	-67.3		-27.327	80.308	1.00	29.08
5200	CA	LEU		647	-66.0		-27.261	80.998	1.00	29.38
5200	CB	LEU		647	-65.8		-28.482	81.901	1.00	29.39
5202	CG	LEU		647	-66.4		-28.411	83.288	1.00	31.66
5203	CD1	LEU		647	-67.2		-27.097	83.510	1.00	31.73
5204	CD2	LEU			-67.3		-29.637	83.525	1.00	32.56
5205	C	LEU		647	-64.8		-27.323	80.036	1.00	29.07
5206	Ö	LEU		647	-64.9		-27.965	79.000	1.00	28.84
5207	N			648	-63.7		-26.734	80.429	1.00	
5208	CA	PRO		648	-62.5		-26.787	79.629	1.00	29.00
5209	CB	PRO		648	-61.7		-25.562	80.107	1.00	28.58
5210	CG	PRO		648	-62.4		-25.070	81.350	1.00	28.32
5211	CD	PRO		648	-63.5		-25.987	81.683	1.00	28.10
5212	C			648	-61.6		-28.026	79.932	1.00	29.46
5213	ŏ	PRO		648	-60.5		-27.881	80.357	1.00	29.04
5214	N			649	-62.2		-29.217	79.732	1.00	30.75
5215	CA			649	-61.4		-30.441	79.940	1.00	31.30
5216	CB			649	-62.1		-31.321	80.963	1.00	31.86
5217	OG1			649	-63.5		-31.470	80.599	1.00	31.50
5218	CG2	THR		649	-62.1		-30.636	82.359	1.00	30.73
5219	C	THR		649	-61.4		-31.192	78.637	1.00	32.53
5220	o	THR		649	-62.2		-30.995	77.768	1.00	31.95
5221	N	PRO		650	-60.3		-32.053	78.496	1.00	33.40
5222	CA	PRO	Α	650	-60.2	16	-32.849	77.284	1.00	33.88
5223	CB	PRO	Α	650	-59.1		-33.846	77.699	1.00	33.91
5224	CG	PRO	Α	650	-58.3	50	-33.098	78.655	1.00	33.82
5225	CD	PRO	Α	650	-59.3	37	-32.327	79.480	1.00	33.44
5226	С	PRO	Α	650	-61.4	79	-33.573	76.908	1.00	34.49
5227	0	PRO	Α	650	-61.7	48	-33.726	75.715	1.00	35.35
5228	N	GLU	Α	651	-62.2	58	-33.996	77.899	1.00	35.30
5229	CA	GLU	Α	651	-63.4	94	-34.729	77.628	1.00	36.20
5230	CB	GLU	Α	651	-63.7	78	-35.767	78.720	1.00	36.74
5231	CG	GLU	Α	651	-63.5	21	-35.287	80.136	1.00	39.79
5232	CD	GLU	Α	651	-62.0	90	-35.514	80.572	1.00	42.71
5233	OE1	GLU	Α	651	-61.5	17	-34.626	81.245	1.00	44.21
5234	OE2	GLU		651	-61.5		-36.586	80.237	1.00	44.81
5235	С	GLU	Α	651	-64.7		-33.845	77.424	1.00	35.94
5236	0	GLU		651	-65.7		-34.311	76.948	1.00	36.46
5237	N	ASP		652	-64.6		-32.577	77.800	1.00	34.99
5238	CA	ASP		652	-65.8		-31.756	77.496	1.00	33.48
5239	CB	ASP	A	652	-66.3		-30.988	78.691	1.00	33.35
5240	CG	ASP		652	-67.7		-30.388	78.377	1.00	33.12
5241	OD1	ASP		652	-68.4		-29.842	79.273	1.00	34.89
5242	OD2	ASP		652	-68.2		-30.430	77.238	1.00	32.30
5243	С	ASP	Α	652	-65.5	84	-30.861	76.302	1.00	32.82

FIGURE 3 CY

A	В	C	D	E		F	G	H	1	J
5244	0	ASP	А	652	-65	.827	-31.294	75.177	1.00	32.95
5245	N	ASN	А	653			-29.634	76.527	1.00	31.69
5246	CA	ASN				.034	-28.649	75.448		30.86
5247	CB			653		.223	-27.682	75.585		30.19
5248	CG	ASN					-27.043	74.251		28.23
5249	OD1	ASN				.427	-27.619	73.190		25.84
5250	ND2			653		.217	-25.839	74.312		24.02
5251	C	ASN				.709	-27.892	75.323		31.44
5252	Ö	ASN				.656	-26.819	74.711		32.23
5253	N			654		.644	-28.462	75.881	1.00	31.17
5254	CA			654		.321	-27.852	75.884		31.62
5255	CB			654		.271	-28.822	76.462	1.00	31.66
5256	CG	LEU				.828	-28.289	76.455		31.74
5257	CD1			654		.841	-29.275	77.064		30.38
5258	CD2	LEU					-26.954	77.219		32.35
								74.515		31.37
5259	C	LEU		654			-27.367			
5260	0	LEU		654			-26.246	74.365		31.55
5261	N	ASP		655		.982	-28.223	73.515		31.42
5262	CA	ASP		655		.583	-27.836	72.175		31.41
5263	CB	ASP				.917	-28.930	71.141		31.61
5264	CG	ASP				.034	-30.181	71.290		33.09
5265	OD1	ASP				.976	-30.116	71.981		32.53
5266	OD2	ASP				.336	-31.282	70.762		35.23
5267	C	ASP					-26.489	71.789		30.88
5268	0	ASP						71.318		31.25
5269	N	HIS					-26.316	72.001		29.59
5270	CA	HIS				.091	-25.032	71.617		29.45
5271	CB	HIS		656		.605	-25.059	71.449		28.85
5272	CG			656		.125	-23.786	70.859		31.28
5273	ND1	HIS				.712	-23.322	69.624		31.33
5274	CE1			656		.277	-22.155	69.383		28.62
5275	NE2			656		.031	-21.836	70.419		29.04
5276	CD2			656		.936	-22.827	71.367		30.35
5277	С			656			-23.841	72.496		28.95
5278	0	HIS				.541	-22.720	72.004		29.11
5279	N	TYR				.403	-24.075	73.778		28.25
5280	CA	TYR				.906	-23.001	74.630		27.73
5281	CB	TYR		657		.625	-23.496	76.052		27.06
5282	CG	TYR		657		.764	-23.445	77.047		24.81
5283	CD1	TYR				.891	-22.382	77.930		21.97
5284	CE1			657		.895	-22.348	78.863		19.46
5285	CZ	TYR	Α	657	-64	.801	-23.375	78.946	1.00	19.96
5286	OH	TYR	Α	657	-65	.821	-23.322	79.891	1.00	16.13
5287	CE2	TYR				.700	-24.449	78.088		20.07
5288	CD2	TYR	Α	657	-63	.675	-24.480	77.149		24.04
5289	C	TYR				.595	-22.545	74.056		28.50
5290	0	TYR	Α	657	-60	.312	-21.344	73.975	1.00	29.14
5291	N	ARG	Α	658	-59	.771	-23.505	73.658	1.00	29.19
5292	CA	ARG				.437	-23.163	73.181		30.10
5293	CB	ARG	Α	658	-57	.508	-24.378	73.186	1.00	30.86
5294	CG	ARG	Α	658	-57	.024	-24.776	74.559	1.00	34.28

FIGURE 3 CZ

S295 CD	A	В	C	D	E	F	,	G	Н		I	J
5299 NE NE ABGA 658 -56.163 -27.019 73.882 1.00 46.55 5299 NH1 ABGA 658 -54.409 -28.111 74.882 1.00 49.48 5299 NH2 ARG A 658 -58.464 -28.133 74.076 1.00 49.48 5300 C ARG A 658 -58.815 -29.263 73.476 1.00 49.48 5301 O ARG A 658 -58.815 -29.265 71.1813 1.00 29.69 5302 N ASN A 659 -59.553 -22.769 71.099 1.00 29.69 5304 CB ASN A 659 -59.553 -22.769 71.099 1.00 29.67 5305 CG ASN A 659 -59.577 -23.688 67.451 1.00 31.51 5306 ODI ASN A 659 -59.577 -23.688 67.721 1.00 35.72 5308 C ASN A 659 -59.876 -23.008 66.551 1.00 38.70 5308 C ASN A 659 -60.415 -20.416 68.506 1.00 28.71 5311 C ASR A 660 -61.018 -20.533 70.664 1.00 28.71 5312 C SER A 660 -63.319 -19.580 71.215 1.00 24.98	5295	CD	ARG	А	658	-55.8	35	-25.746	74.5	25	1.00	43.28
5297 CZ ABG A 658 -55.464 -28.133 74.076 1.00 49.48 5299 NH2 ABG A 658 -54.409 -28.111 74.802 1.00 50.32 5299 NH2 ABG A 658 -55.815 -29.263 73.476 1.00 50.32 5300 C ARG A 658 -57.530 -21.890 71.418 1.00 30.15 5303 CA ASN A 659 -59.553 -22.288 69.745 1.00 30.15 5305 CG ASN A 659 -59.577 -23.688 67.669 1.00 30.15 5306 CG ASN A 659 -59.577 -23.688 67.669 1.00 35.75 5307 ND ASN A 659 -59.633 -22.288 68.941 1.00 35.75 5306 CG ASN A 659 -59.633 -22.288 68.941 1.00 35.75 5307 ND ASN A 659 -59.672 -30.08 66.551 1.00 35.72 5308 C ASN A 659 -60.382 -20.972 69.59												
5299 NHI ARG A 658 -54.409 -28.111 74.882 1.00 50.32 5299 NHZ ARG A 658 -55.815 -29.263 73.476 1.00 49.35 5300 C ARG A 658 -58.464 -22.560 71.813 1.00 29.69 5301 O ARG A 658 -59.553 -22.769 71.418 1.00 29.67 5302 N ASN A 659 -59.533 -22.288 67.45 1.00 30.12 5304 CB ASN A 659 -60.348 -23.342 68.894 1.00 35.72 5305 CG ASN A 659 -59.577 -23.688 67.45 1.10 30.57 5306 OID ASN A 659 -59.876 -23.008 66.951 1.00 35.72 5308 C ASN A 659 -60.882 -20.972 69.594 1.00 25.47 5309 C ASN A 659 -60.415 -20.416 68.506 1.00 28.71 5310 N SER A 660 -61.018 -20.503 70.664 1.00 27.17 5311 CA SER A 660 -63.198 -19.580 71.215 1.00 24.98 5312 CB SER A 660 -6												
5299 NHZ ABGA 658 -58.815 -29.263 73.476 1.00 94.935 5300 C ABGA 658 -58.646 -22.560 71.813 1.00 29.69 5301 O ARGA 658 -57.530 -21.890 71.418 1.00 30.15 5302 N ASNA 659 -59.553 -22.288 68.745 1.00 30.15 5305 CG ASNA 659 -59.577 -23.688 67.669 1.00 35.15 5306 CG ASNA 659 -59.577 -23.688 67.621 1.00 39.51 5307 ND ASNA 659 -59.6867 -24.537 67.21 1.00 39.51 5308 C ASNA 659 -60.382 -20.972 69.594 1.00 28.84 5310 N SER A 660 -61.018 -20.503 70.664 1.00 27.17 5311												
5300 C ABG A 658 -58.464 -22.560 71.418 1.00 29.69 5301 O ABG A 658 -57.530 -21.890 71.418 1.00 30.15 5302 N ASN A 659 -59.553 -22.769 71.099 1.00 29.67 5303 CA ASN A 659 -59.533 -22.288 69.745 1.00 31.51 5305 CG ASN A 659 -59.577 -23.688 67.721 1.00 35.72 5306 OI ASN A 659 -59.876 -23.088 66.7669 1.00 35.72 5308 C ASN A 659 -59.876 -23.008 66.551 1.00 38.70 5308 C ASN A 659 -60.415 -20.416 68.506 1.00 28.71 5310 N SER A 660 -61.184 -19.298 70.588 1.00 25.42 5312 CB SER A 660 -61.221 -18.076 71.215 1.00 25.49 5313 CG SER A 660 -61.3184 -19.298 70.588 </td <td></td>												
5301 O ABG A 658 -57.530 - 21.890 71.418 1.00 30.15 5302 N ASN A 659 -59.533 - 22.789 71.099 71.099 1.00 29.67 5303 CA ASN A 659 -59.633 - 22.288 69.745 1.00 30.12 5305 CG ASN A 659 -59.633 - 22.288 69.745 1.00 30.12 5306 CG ASN A 659 -59.8687 - 24.537 67.669 1.00 35.72 5307 NDZ ASN A 659 -59.876 - 23.008 66.551 1.00 38.70 5309 O ASN A 659 -60.382 - 20.972 69.594 1.00 28.71 5310 N SER A 660 -61.018 - 20.503 70.664 1.00 27.17 5311 CA SER A 660 -63.198 - 19.580 71.215 1.00 24.98 5312 CB SER A 660 -61.031 - 20.172 72.497 71.00 25.82 5314 C SER A 660 -61.221 - 18.076 71.244 1.00 24.98 5313 CG SER A 660 -61.933 - 17.153 </td <td></td>												
5302 N ASN A 659 -59.553 -22.769 71.099 1.00 29.67 5303 CA ASN A 659 -59.633 -22.288 69.745 1.00 30.151 5304 CB ASN A 659 -60.348 -23.342 68.894 1.00 31.51 5306 OID ASN A 659 -59.877 -23.688 67.721 1.00 35.72 5307 ND2 ASN A 659 -59.876 -23.008 66.551 1.00 38.70 5308 C ASN A 659 -60.382 -20.972 69.594 1.00 28.71 5310 N SER A 669 -60.415 -20.416 68.506 1.00 28.71 5311 C SER A 660 -61.184 -19.298 70.588 1.00 25.44 5312 CB SER A 660 -63.031 -20.172 72.497 1.00 25.82 5315 C SER A 660 -61.221 -18.076 71.215 1.00 25.62 5315 C SER A 660 -61.333 -17.153 71.656 1.00 25.62 5316 N THR A 661 -59.908 -18.068 71.442 <t< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></t<>												
5303 CA ASN A 659 -59.633 -22.288 69.745 1.00 30.12 5304 CB ASN A 659 -69.438 23.422 68.894 1.00 31.51 5305 CG ASN A 659 -59.577 -23.688 67.669 1.00 35.72 5307 ND2 ASN A 659 -59.876 -24.037 67.721 1.00 38.71 5309 O ASN A 659 -60.382 -20.972 69.594 1.00 28.84 5310 N SER A 660 -61.018 -20.503 70.664 1.00 27.17 5312 CB SER A 660 -61.319 -19.590 71.215 1.00 22.498 5312 CB SER A 660 -63.319 -19.590 71.215 1.00 22.498 5315 O SER A 660 -61.333 -17.153 71.656 1.00 25.56 5316 N THR A 661 -59.998 -18.068 71.421 1.00 <												
5304 CB ASN A 659 -60.348 -23.342 68.894 1.00 31.51 5305 CG ASN A 659 -59.577 -23.688 67.669 1.00 35.75 5307 ND2 ASN A 659 -58.687 -24.537 67.721 1.00 38.70 5308 C ASN A 659 -60.382 -20.972 69.594 1.00 28.71 5310 N SER A 660 -61.181 -20.503 70.664 1.00 27.175 5311 CA SER A 660 -61.818 -20.507 70.588 1.00 25.44 5312 CB SER A 660 -61.221 -18.076 71.215 1.00 24.98 5313 O SER A 660 -61.221 -18.076 71.274 1.00 24.97 5315 O SER A 660 -61.221 -18.076 71.244 1.00 24.97 5316												
5305 CG ASN A 659 -59.577 -23.688 67.669 1.00 35.72 5306 OID ASN A 659 -58.687 -24.537 67.721 1.00 35.72 5307 ND2 ASN A 659 -59.876 -23.008 66.551 1.00 38.70 5309 O ASN A 659 -60.382 -20.972 69.594 1.00 28.71 5310 N SER A 660 -61.018 -20.503 70.664 1.00 28.71 5311 CA SER A 660 -61.944 -19.298 70.588 1.00 25.49 5312 CB SER A 660 -63.198 -19.580 71.215 1.00 24.98 5314 C SER A 660 -63.319 -19.580 71.215 1.00 24.98 5315 O SER A 660 -61.331 -20.172 72.497 1.00 24.97 5316 N THR A 661 -59.908 -18.088 71.421 1.00 23.16 5317 CA THR A 661 -59.9147 -16.941 72.075 1.00 23.16 5312 CG THR A 661 -57.998 -18.785 73.249												
5306 ODL ASN A 659 -58.687 24.537 67.721 1.00 39.51 5307 NDZ ASN A 659 -59.876 -23.086 66.551 1.00 38.78 5308 C ASN A 659 -60.382 -20.972 69.594 1.00 28.78 5310 N SER A 660 -61.018 -20.503 70.664 1.00 27.17 5311 CA SER A 660 -61.844 -19.298 70.588 1.00 25.44 5313 OG SER A 660 -63.031 20.172 72.497 1.00 25.82 5314 C SER A 660 -61.933 17.153 71.666 1.00 25.56 5315 O SER A 660 -61.933 17.153 71.656 1.00 23.98 5316 N THR A 661 -55.908 -18.068 71.442 1.00 23.93 5317												
5307 ND2 ASN A 659 -59.876 -23.008 66.551 1.00 28.876 5308 C ASN A 659 -60.382 -20.972 69.594 1.00 28.84 5309 O ASN A 659 -60.415 -20.416 68.506 1.00 22.71 5311 CA SER A 660 -61.018 -20.972 70.588 1.00 22.498 5312 CB SER A 660 -63.319 -19.580 71.215 1.00 24.98 5314 C SER A 660 -63.331 20.172 72.497 1.00 24.98 5315 O SER A 660 -61.333 17.153 71.624 1.00 24.97 5316 N THR A 661 -59.998 18.069 71.442 1.00 23.39 5317 CA THR A 661 -57.998 18.785 72.698 1.00 23.16 5319 CGI THR A 661 -57.998 18.785 72.698 1.00 2												
5308 C ASN A 659 -60.382 - 20.972 69.594 1.00 28.84 5309 O ASN A 659 -60.181 - 20.416 68.506 1.00 28.71 5310 N SER A 660 -61.018 - 20.503 70.664 1.00 27.17 5311 CA SER A 660 -61.844 - 19.298 70.588 1.00 25.44 5313 CB SER A 660 -63.031 - 20.172 72.497 1.00 24.98 5314 C SER A 660 -61.221 - 18.076 71.274 1.00 24.98 5315 O SER A 660 -61.933 - 17.153 71.656 1.00 25.56 5316 N THR A 661 -59.088 - 18.068 71.424 1.00 23.93 5317 CA THR A 661 -59.247 - 16.941 72.075 1.00 23.16 5318 CB THR A 661 -59.98 - 18.785 73.324 1.00 23.16 5321 C THR A 661 -59.987 - 17.511 71.654 1.00 23.43 5322 O THR A 661 -58.989 - 15.813 71.131												
5309 O ASN A 659 -60.415 - 20.416 68.506 1.00 28.71 5310 N SSR A 660 -61.184 - 19.298 70.568 1.00 27.17 5311 CA SER A 660 -61.844 - 19.298 70.588 1.00 25.44 5312 CB SER A 660 -63.193 - 19.580 71.215 1.00 25.42 5314 C SER A 660 -63.031 - 20.172 72.497 1.00 25.62 5315 O SER A 660 -61.321 - 18.076 71.274 1.00 25.62 5316 N THR A 661 -59.908 - 18.068 71.442 1.00 23.39 5317 CA THR A 661 -59.908 - 18.068 71.442 1.00 23.63 5319 OGI THR A 661 -57.918 - 17.385 72.698 1.00 23.16 5322 O THR A 661 -57.998 - 18.785 73.324 1.00 21.93 5322 O THR A 661 -58.899 - 15.813 71.113 1.00 22.62 5323 N VAL A 662 -58.738 - 12.098 70.598												
5310 N SBR A 660 -61.018 - 20.503 70.664 1.00 27.17 5311 CA SBR A 660 -61.844 - 19.298 70.588 1.00 25.42 5312 CB SBR A 660 -63.198 - 19.580 71.215 1.00 24.98 5313 CG SBR A 660 -61.933 - 17.67 72.497 1.00 24.98 5315 O SBR A 660 -61.221 - 18.076 71.274 1.00 24.97 5315 O SBR A 660 -61.933 - 17.153 71.566 1.00 23.95 5316 N THR A 661 -59.908 - 18.068 71.424 1.00 23.95 5317 CA THR A 661 -59.247 - 16.941 72.075 1.00 23.16 5319 OGI THR A 661 -56.957 - 17.511 71.654 1.00 23.43 5320 CG THR A 661 -58.889 - 15.813 71.131 1.00 22.62 5322 D THR A 661 -58.785 - 14.15.95												
5311 CA SER A 660 -61.844 -19.298 70.588 1.00 25.44 5312 CB SER A 660 -63.031 -20.172 72.497 1.00 25.82 5313 CG SER A 660 -63.031 -20.172 72.497 1.00 25.82 5315 C SER A 660 -61.221 -18.076 71.274 1.00 25.82 5316 N THR A 661 -59.908 -18.068 71.442 1.00 23.39 5317 CA THR A 661 -59.908 -18.068 71.442 1.00 23.16 5319 CGI THR A 661 -57.918 -17.385 72.698 1.00 23.16 5321 C THR A 661 -57.998 -18.785 73.244 1.00 23.16 5321 C THR A 661 -57.998 -18.785 73.324 1.00 21.93 5321 C THR A 661 -58.889 -15.813 71.131 1.00 22.28 5322 C THR A 661 -58.889 -15.815 73.324 1.00 21.93 5322 C THR A 662 -58.738 -12.098 70.698												
5312 CB SBR A 660 -63.198 -19.580 71.215 1.00 24.98 5313 CG SBR A 660 -63.313 -20.172 72.497 71.00 25.82 5314 C SBR A 660 -61.221 -18.076 71.274 1.00 24.97 5315 O SBR A 660 -61.933 -17.153 71.656 1.00 25.56 5316 N THR A 661 -59.908 -18.068 71.442 1.00 23.36 5317 CA THR A 661 -59.247 -16.941 72.075 1.00 23.43 5319 OCI THR A 661 -57.998 -18.785 73.324 1.00 23.43 5320 CCZ THR A 661 -57.998 -18.785 73.324 1.00 21.34 5321 C THR A 661 -58.899 -15.813 71.113 1.00 22.62 5322 N VAL A 662 -58.754 -14.595 71.624 1.00 22.12 5324 CA VAL A 662 -58.738 -12.098 70.999 1.00 21.98 5326 CGI VAL A 662 -57.565 -11.238 71.364												
5313 OG SER A 660 -63.031 - 20.172 72.497 1.00 25.82 5314 C SER A 660 -61.221 - 18.076 71.274 1.00 24.57 5315 O SER A 660 -61.231 - 17.153 71.656 1.00 25.56 5316 N THR A 661 -59.908 - 18.068 71.442 1.00 23.39 5317 CA THR A 661 -59.907 - 17.511 71.050 1.00 23.16 5318 CB THR A 661 -56.957 - 17.511 71.658 1.00 23.16 5320 CC2 THR A 661 -56.957 - 17.511 71.658 1.00 23.16 5321 C THR A 661 -58.680 - 16.036 69.913 1.00 22.28 5322 O THR A 661 -58.680 - 16.036 69.913 1.00 22.28 5323 N VAL A 662 -58.754 - 14.595 71.664 1.00 21.74 5325 CB VAL A 662 -58.738 - 12.098 70.698 1.00 21.74 5328 CV VAL A 662 -57.565 - 11.238 71.364 1.00 20.24 5330 N WAL A 662 -56.296 - 13.411 69.441 1.00 20.68												
5314 C SER A 660 -61.221 - 18.076 71.274 1.00 24.97 5315 O SER A 660 -61.321 - 18.076 71.274 1.00 25.56 5316 N THR A 661 -59.908 - 18.068 71.442 1.00 23.39 5317 CA THR A 661 -59.908 - 18.068 71.442 1.00 23.16 5318 CB THR A 661 -57.918 - 17.385 72.698 1.00 23.43 5320 CG2 THR A 661 -57.998 - 18.785 73.324 1.00 23.43 5321 C THR A 661 -58.998 - 18.785 73.324 1.00 22.62 5322 O THR A 661 -58.889 - 15.813 71.113 1.00 22.62 5322 O THR A 661 -58.868 - 16.036 69.913 1.00 22.62 5322 O THR A 661 -58.889 - 15.813 71.113 1.00 22.62 5324 CA VAL A 662 -58.754 - 14.595 71.624 1.00 22.12 5325 CG VAL A 662 -58.738 - 12.098 70.999 1.00 21.98 5327 CG2 VAL A 662 -56.797 - 13.692 70.511 1.00 20.40												
5315 O SER A 660 -61.933 17.153 71.656 1.00 25.56 5316 N THR A 661 -59.908 -18.068 71.442 1.00 23.36 5317 CA THR A 661 -59.908 -18.068 71.422 1.00 23.16 5318 CB THR A 661 -59.957 -17.511 71.658 1.00 23.16 5320 CC2 THR A 661 -56.957 -17.511 71.658 1.00 23.43 5321 C THR A 661 -56.957 -17.511 71.658 1.00 23.43 5322 C THR A 661 -58.889 -15.813 71.131 71.131 1.00 22.28 5322 O THR A 661 -58.680 -16.036 69.913 1.00 22.28 5323 N VAL A 662 -58.285 -13.567 70.698 1.00 21.08 5326 CG1 VAL A 662 -58.285 -13.567 70.698 1.00 21.08 5327 CG2 VAL A 662 -58.736 -11.238 71.997 10.00 21.08 5328 C VAL A 662 -56.296 -13.411 <t< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></t<>												
5310 N THR A 661 -59.908 - 18.068 71.442 1.00 23.39 5317 CA THR A 661 -59.247 - 16.941 72.075 - 10.00 23.16 5318 CB THR A 661 -57.918 - 17.385 72.698 1.00 23.16 5320 CG2 THR A 661 -57.998 - 18.785 73.224 1.00 21.93 5321 C THR A 661 -58.889 - 15.813 71.113 1.00 22.62 5322 O THR A 661 -58.680 - 16.036 69.913 1.00 22.62 5322 O THR A 661 -58.754 - 14.595 71.624 1.00 22.12 5324 CA VAL A 662 -58.754 - 14.595 71.624 1.00 22.12 5326 CB VAL A 662 -58.738 - 12.098 70.999 1.00 21.93 5326 CG1 VAL A 662 -58.738 - 12.098 70.999 1.00 21.98 5328 C VAL A 662 -56.296 - 13.411 69.411 1.00 20.40 5331 C VAL A 663 -56.296 - 13.411 69.411												
5317 CA THR A 661 -59.247 -16.941 72.075 1.00 23.16 5318 CB THR A 661 -57.918 -17.385 72.698 1.00 23.46 5319 CG1 THR A 661 -56.957 -17.511 71.654 1.00 23.43 5320 CG2 THR A 661 -58.989 -15.813 71.113 1.00 22.93 5321 C THR A 661 -58.680 -16.036 69.913 1.00 22.28 5322 O THR A 661 -58.680 -16.036 69.913 1.00 22.28 5322 O VAL A 662 -58.754 -14.595 71.664 1.00 221.08 5325 CB VAL A 662 -58.285 -13.567 70.698 1.00 21.08 5326 CG1 VAL A 662 -58.285 -13.567 70.698 1.00 21.08 5327 CG2 VAL A 662 -58.781 -12.035 71.964 1.00 21.08 5328 C VAL A 662 -56.797 -13.692 70.511 1.00 20.49 5330 N MET A 663 -56.296 -13.411 69.441												
5318 CB THR A 661 -57.918 -17.385 72.688 1.00 23.16 5320 CG2 THR A 661 -56.957 -17.511 71.654 1.00 23.16 5321 C THR A 661 -58.899 -15.813 71.113 1.00 22.62 5322 O THR A 661 -58.899 -15.813 71.113 1.00 22.26 5323 N VAL A 662 -58.754 -14.595 71.624 1.00 22.12 5325 CB VAL A 662 -58.738 -12.098 70.698 1.00 21.79 5326 CG1 VAL A 662 -58.738 -12.098 70.979 1.00 21.98 5327 CC2 VAL A 662 -59.891 -12.035 71.941 1.00 21.98 5328 C VAL A 662 -57.565 -11.238 71.384 1.00 22.47 5330 N MET A 663 -56.087 -14.152 71.527 1.00 <												
5319 OGI THR A 661 -56.957 -17.511 71.654 1.00 23.43 5320 CG2 THR A 661 -57.998 -18.785 73.324 1.00 21.93 5321 C THR A 661 -58.689 -15.813 71.113 1.00 22.28 5322 O THR A 661 -58.680 -16.036 69.913 1.00 22.28 5323 N VAL A 662 -58.754 -14.595 71.624 1.00 22.12 5325 CB VAL A 662 -58.754 -14.595 71.624 1.00 22.12 5326 CG1 VAL A 662 -58.285 -13.567 70.698 1.00 21.74 5327 CG2 VAL A 662 -59.891 -12.035 71.944 1.00 21.08 5329 C VAL A 662 -57.565 -11.238 71.384 1.00 21.08 5329 C VAL A 662 -56.296 -13.411 69.441 1.00 21.98 5330 N MET A 663 -56.296 -13.411 69.441 1.00 20.40 5331 CA MET A 663 -53.755 -14.914 72.625												
5320 CG2 THR A 661 -57.998 -18.785 73.324 1.00 21.93 5321 C THR A 661 -58.689 -15.613 71.113 71.113 1.00 22.22 5322 O THR A 661 -58.680 -16.036 69.913 1.00 22.22 5323 N VAL A 662 -58.754 -14.555 71.624 1.00 22.12 5325 CB VAL A 662 -58.738 -12.098 70.979 1.00 21.98 5327 CG2 VAL A 662 -59.765 -11.238 71.364 1.00 22.47 5328 C VAL A 662 -56.296 -13.411 69.441 1.00 22.07 5329 O VAL A 662 -56.296 -13.411 69.441 1.00 21.08 5330 N MET A 663 -56.296 -13.411 69.441 1.00 20.68 5331 CA MET A 663 -53.375 -14.914 72.625 <												
5321 C THR A 661 -58.889 - 15.813 71.113 1.00 22.62 5322 O THR A 661 -58.889 - 15.813 71.113 1.00 22.62 5323 N VAL A 662 -58.754 - 14.595 71.624 1.00 22.12 5325 CB VAL A 662 -58.285 - 13.567 70.698 1.00 21.74 5326 CGI VAL A 662 -58.285 - 13.3567 70.698 1.00 21.08 5327 CC2 VAL A 662 -58.889 - 12.098 70.979 - 11.00 11.08 5328 C VAL A 662 -59.891 - 12.035 71.964 1.00 21.08 5327 CC2 VAL A 662 -56.797 - 13.692 70.511 1.00 20.40 5329 O VAL A 662 -56.797 - 13.692 70.511 1.00 20.40 5330 N MET A 663 -56.296 - 13.411 69.441 1.00 20.78 5331 CA MET A 663 -54.637 - 14.288 71.382 1.00 20.78 5334 SD MET A 663 -53.737 - 13.912 73.76												
5322 O THR A 661 -58.680 -16.036 69.913 1.00 22.28 5323 N VAL A 662 -58.754 -14.595 71.624 1.00 22.12 5324 CA VAL A 662 -58.285 -13.567 70.698 1.00 21.74 5326 CCI VAL A 662 -58.738 -12.098 70.979 1.00 21.98 5327 CC2 VAL A 662 -59.991 -12.035 71.964 1.00 21.08 5328 C VAL A 662 -57.565 -11.238 71.384 1.00 22.47 5328 C VAL A 662 -56.296 -13.411 69.441 1.00 20.40 5330 N MET A 663 -56.296 -13.411 69.441 1.00 20.68 5331 CA MET A 663 -54.637 -14.288 71.322 71.00 20.78 5333 CB MET A 663 -55.395 -14.28 72.625 1.00 20.68 5333 CB MET A 663 -55.595 -14.841 75.520 1.00 20.68 5333 CB MET A 663 -55.595 -14.841 75.590 <												
5322 N VAL A 662 -58.754 -14.595 71.624 1.00 22.12 5324 CA VAL A 662 -58.285 -13.567 70.698 1.00 21.74 5325 CB VAL A 662 -58.738 -12.098 70.999 1.00 21.98 5326 CG1 VAL A 662 -59.891 -12.035 71.964 1.00 21.98 5327 CG2 VAL A 662 -57.565 -11.238 71.384 1.00 21.00 5329 O VAL A 662 -56.797 -13.692 70.511 1.00 20.40 5330 N MET A 663 -56.087 -14.152 71.527 1.00 20.78 5331 CA MET A 663 -54.637 -14.288 71.382 1.00 20.68 5332 CB MET A 663 -53.975 -14.914 72.625 1.00 20.78 5331 CA MET A 663 -55.337 -13.912 73.760 1.00 19.42 5333 CG MET A 663 -55.595 -18.417 73.760 1.00 19.42 5335 CE MET A 663 -55.595 -18.417 <td></td>												
5324 CA VAL A 662 -58.285 -13.567 70.698 1.00 21.74 5325 CB VAL A 662 -58.738 -12.098 70.979 1.00 21.98 5326 CG1 VAL A 662 -59.891 -12.035 71.964 1.00 21.98 5327 CG2 VAL A 662 -57.565 -11.238 71.384 1.00 20.40 5328 C VAL A 662 -56.797 -13.692 70.511 1.00 20.40 5330 N MET A 663 -56.296 -13.411 69.441 1.00 20.40 5331 CA MET A 663 -54.637 -14.288 71.521 71.00 20.78 5332 CB MET A 663 -53.795 -14.914 72.625 1.00 20.40 5333 CB MET A 663 -53.377 -13.912 73.760 1.00 20.49 5334 SD MET A 663 -55.332 -13.456 74.451 1.00 20.79 5335 CE MET A 663 -55.059 -14.841 75.532 1.00 20.76 5337 O MET A 663 -55.059 -14.841 75.594												
5325 CB VAL A 662 -58.738 - 12.098 70.979 1.00 21.98 5326 CGI VAL A 662 -59.8991 - 12.035 71.964 1.00 21.08 5327 CG2 VAL A 662 -57.565 - 11.238 71.394 1.00 22.47 5329 O VAL A 662 -56.797 - 13.692 70.511 1.00 20.40 5331 CA MET A 663 -56.087 - 14.152 71.327 1.00 20.78 5332 CB MET A 663 -54.637 - 14.288 71.382 1.00 20.68 5332 CB MET A 663 -53.975 - 14.914 72.625 1.00 20.17 5333 CG MET A 663 -53.737 - 14.914 72.625 1.00 20.17 5334 SD MET A 663 -55.395 - 14.914 75.525 1.00 20.17 5335 CE MET A 663 -55.955 - 14.914 75.525 1.00 20.17 5336 C MET A 663 -55.955 - 14.841 75.525 1.00 17.42 5337 O MET A 663 -55.055 1.60 79												
5326 CGI VAL A 662 -59.891 -12.035 71.964 1.00 21.08 5327 CG2 VAL A 662 -57.565 -11.238 71.384 1.00 22.47 5328 C VAL A 662 -56.797 -13.692 70.511 1.00 22.47 5329 O VAL A 662 -56.296 -13.411 63 441 1.00 20.40 5331 CA MET A 663 -56.087 -14.128 71.382 1.00 20.68 5332 CB MET A 663 -53.797 -14.914 72.625 1.00 20.78 5333 CG MET A 663 -53.737 -13.912 73.760 1.00 20.49 5334 SD MET A 663 -55.332 -13.456 74.451 1.00 20.78 5335 CE MET A 663 -55.332 -13.456 74.451 1.00 20.79 5334 SD MET A 663 -55.332 -13.456 74.451 1.00 20.70 5337 O MET A 663 -55.059 -14.841 75.532 1.00 17.84 5338 N SER A 664 -55.053 -16.107 69.432												
5327 CG2 VAL A 662 -57.565 -11.238 71.384 1.00 22.47 5328 C VAL A 662 -56.797 -13.692 70.511 1.00 20.40 5329 O VAL A 662 -56.296 -13.411 69.441 1.00 19.95 5331 CA MET A 663 -54.637 -14.128 71.527 1.00 20.68 5332 CB MET A 663 -53.975 -14.914 72.625 1.00 20.17 5334 SD MET A 663 -53.737 -14.914 72.625 1.00 20.17 5335 CE MET A 663 -55.332 -13.456 74.451 1.00 20.98 5336 C MET A 663 -55.595 -14.841 75.532 1.00 17.45 5337 O MET A 663 -55.055 -14.841 75.532 1.00 20.76 5338 N SER A 664 -55.053 -16.107 69.804 1.00 21.53 5339 CA SER A 664 -55.055 -18.205 66.612 </td <td></td>												
5328 C VAL A 662 -56.797 -13.692 70.511 1.00 20.40 5329 O VAL A 662 -56.296 -13.411 69.441 1.00 19.95 5331 CA MET A 663 -56.087 -14.128 71.382 1.00 20.78 5332 CB MET A 663 -54.637 -14.288 71.382 1.00 20.78 5334 SD MET A 663 -53.797 -14.914 72.625 1.00 20.78 5335 CE MET A 663 -53.737 -13.912 73.760 1.00 19.42 5334 SD MET A 663 -55.659 -14.841 75.532 1.00 17.84 5335 CE MET A 663 -55.659 -14.841 75.532 1.00 17.84 5336 C MET A 663 -55.059 -14.841 75.532 1.00 17.84 5337 O MET A 663 -55.059 -16.00 69.432 1.00 21.08 5339 CA SER A 664 -55.955 -18.205 68.612 1.00 22.5 5340 CB SER A 664 -55.955 -18.205 68.612												
5329 O VAL A 662 -56.296 -13.411 69.441 1.00 19.95 5330 N MET A 663 -56.087 -14.152 71.527 1.00 20.78 5331 CA MET A 663 -54.637 -14.288 71.382 1.00 20.68 5332 CB MET A 663 -53.975 -14.914 72.625 1.00 20.17 5334 CD MET A 663 -55.377 -13.912 73.760 1.00 19.42 5335 CE MET A 663 -55.595 -14.841 75.532 1.00 17.84 5336 C MET A 663 -55.659 -14.841 75.532 1.00 17.84 5337 O MET A 663 -54.281 -15.069 70.119 1.00 21.08 5339 CA MET A 663 -55.053 -16.107 69.804 1.00 21.53 5340 CB SER A 664 -55.053 -18.205 68.612 1.00 22.75 5341 O SER A 664 -54.755 -16.933 68.632 1.00 22.75 5342 C SER A 664 -54.902 -16.199 67.310												
5330 N MET A 663 -56.087 -14.152 71.527 1.00 20.78 5331 CA MET A 663 -54.637 -14.288 71.382 1.00 20.68 5332 CB MET A 663 -53.975 -14.914 72.625 1.00 20.17 5334 SD MET A 663 -53.737 -13.912 73.760 1.00 19.42 5335 CE MET A 663 -55.659 -14.841 75.532 1.00 20.98 5336 C MET A 663 -54.281 -15.069 70.119 1.00 20.78 5337 O MET A 663 -55.659 -14.841 75.532 1.00 17.84 5337 O MET A 663 -55.659 -16.841 75.932 1.00 20.78 5338 N SER A 664 -55.053 -16.107 69.402 1.00 20.75 5339 CA SER A 664 -55.053 -16.107 69.804 1.00 22.53 5340 CB SER A 664 -55.959 -18.205 68.612 1.00 22.81 5342 C SER A 664 -56.965 -17.921 68.354												
5331 CA MET A 663 -54.637 -14.288 71.382 1.00 20.68 5332 CB MET A 663 -53.975 -14.914 72.625 1.00 20.17 5333 CG MET A 663 -53.737 -13.912 73.760 1.00 19.42 5335 CE MET A 663 -55.332 -13.456 74.451 1.00 20.98 5336 C MET A 663 -55.659 -14.841 75.532 1.00 17.84 5337 O MET A 663 -54.281 -15.069 70.119 1.00 21.08 5338 N SER A 664 -55.053 -16.107 69.404 1.00 21.53 5339 C SER A 664 -55.055 -18.205 68.612 1.00 22.81 5341 CG SER A 664 -55.595 -18.205 68.612 1.00 22.70 5342 C SER A 664 -55.959 -18.205 68.612 1.00 23.01 5343 O SER A 664 -54.902 -16.199 67.310 1.00 23.01 5343 O SER A 664												
5332 CB MET A 663 -53.975 -14.914 72.625 1.00 20.17 5333 CG MET A 663 -53.737 -13.912 73.760 1.00 19.42 5334 SD MET A 663 -55.532 -13.456 74.451 1.00 20.98 5336 CE MET A 663 -55.659 -14.841 75.532 1.00 17.84 5336 C MET A 663 -53.339 -14.719 69.432 1.00 20.76 5339 CA SER A 664 -55.055 -16.107 69.804 1.00 22.75 5340 CB SER A 664 -54.755 -16.933 68.632 1.00 22.78 5340 CB SER A 664 -55.056 -11.92 68.361 1.00 22.81 5342 C SER A 664 -55.056 -17.92 68.361 1.00 22.01 5343 O SER A 664 -56.965 -17.92 68.354 1.00 24.03 5343 O SER A 664 -54.902 -16.199 67.310 1.00 22.01 5343 O SER A 664 -54.902 -16.199 67.310 1.												
5333 CG MET A 663 -53.737 -13.912 73.760 1.00 19.42 5334 SD MET A 663 -55.332 -13.456 74.451 1.00 20.98 5335 CE MET A 663 -55.659 -14.841 75.532 1.00 17.84 5336 C MET A 663 -54.281 -15.069 70.119 1.00 20.08 5337 O MET A 663 -53.339 -14.719 69.432 1.00 20.76 5339 CA SER A 664 -55.053 -16.107 69.804 1.00 21.53 5340 CB SER A 664 -55.595 -18.205 68.612 1.00 22.81 5341 OG SER A 664 -55.955 -19.20 68.362 1.00 22.81 5342 C SER A 664 -54.902 -16.199 67.310 1.00 22.47 5343 O SER A 664 -54.343 -16.623 66.291 1.00 22.423 5344 N ARG A 665 -55.168 -15.088 67.312 1.00 22.423												
5334 SD MET A 663 -55.332 -13.456 74.451 1.00 20.98 5335 CE MET A 663 -55.659 -14.841 75.532 1.00 17.84 5336 C MET A 663 -54.281 -15.069 70.119 1.00 21.08 5337 O MET A 663 -53.339 -14.719 69.432 1.00 20.76 5338 N SER A 664 -55.503 -16.107 69.804 1.00 21.03 5340 CB SER A 664 -55.595 -16.933 68.632 1.00 22.81 5341 CG SER A 664 -55.959 -17.921 68.354 1.00 22.01 5342 C SER A 664 -54.902 -16.199 67.310 1.00 22.01 5343 O SER A 664 -54.902 -16.199 67.310 1.00 22.01 5343 N ARG A 665 -55.618 -15.088 67.312 1.00 22.02												
5335 CE MET A 663 -55.659 -14.841 75.522 1.00 17.84 5336 C MET A 663 -54.281 -15.069 70.119 1.00 21.08 5337 O MET A 663 -53.339 -14.719 69.432 1.00 20.76 5339 CA SER A 664 -55.053 -16.107 69.804 1.00 21.53 5340 CB SER A 664 -55.955 -18.205 68.612 1.00 22.81 5341 OG SER A 664 -56.965 -17.921 68.354 1.00 24.70 5342 C SER A 664 -54.902 -16.199 67.310 1.00 24.23 5343 O SER A 664 -54.343 -16.623 66.291 1.00 24.23 5343 O SER A 664 -54.1902 -16.199 67.312 1.00 24.23 5344 N ARG A 665 -55.618 -15.088 67.312 1.00 24.23												
5336 C MET A 663 -54.281 - 15.069 70.119 1.00 21.08 5337 O MET A 663 -53.339 - 14.719 69.432 1.00 20.76 5338 N SER A 664 -55.053 - 16.107 69.804 1.00 22.75 5340 CB SER A 664 -54.755 - 16.933 68.632 1.00 22.75 5341 CB SER A 664 -55.595 - 18.205 66.612 1.00 22.81 5342 C SER A 664 -56.965 - 17.921 68.354 1.00 22.47 5343 O SER A 664 -54.343 -16.623 66.291 1.00 22.42 5343 O SER A 664 -54.343 -16.623 66.291 1.00 22.42 5343 O SER A 664 -54.343 -16.623 66.291 1.00 22.42 5344 N ARG A 665 -55.618 -15.088 67.312 1.00 22.63												
5337 O MET A 663 -53.339 -14.719 69.432 1.00 20.76 5338 N SER A 664 -55.053 -16.107 69.804 1.00 21.53 5340 CB SER A 664 -54.755 -16.933 68.632 1.00 22.75 5341 CG SER A 664 -55.595 -18.205 68.612 1.00 22.81 5342 C SER A 664 -56.696 -17.921 68.354 1.00 24.70 5343 O SER A 664 -54.902 -16.199 67.310 1.00 23.01 5343 O SER A 664 -54.902 -16.199 67.310 1.00 24.23 5344 N ARG A 665 -55.618 -15.088 67.312 1.00 22.62												
5338 N SBR A 664 -55.053 -16.107 69.804 1.00 22.153 5339 CA SBR A 664 -54.755 -16.933 68.632 1.00 22.75 5340 CB SBR A 664 -55.595 -18.205 68.612 1.00 22.81 5341 CG SBR A 664 -56.965 -17.921 63.544 1.00 24.70 5342 C SBR A 664 -54.902 -16.199 67.310 1.00 24.23 5343 O SBR A 664 -54.343 -16.623 66.291 1.00 24.23 5344 N ARG A 665 -55.618 -15.088 67.312 1.00 22.62												
5339 CA SER A 664 -54.755 -16.933 68.632 1.00 22.75 5340 CB SER A 664 -55.595 -18.205 68.612 1.00 22.81 5341 CG SER A 664 -56.965 -17.921 68.354 1.00 24.70 5342 C SER A 664 -54.902 -16.199 67.310 1.00 23.01 5343 O SER A 664 -54.343 -16.623 66.291 1.00 24.23 5344 N ARG A 665 -55.618 -15.088 67.312 1.00 22.62												
5340 CB SER A 664 -55.595 -18.205 68.612 1.00 22.81 5341 CG SER A 664 -56.965 -17.921 68.354 1.00 24.70 5342 CC SER A 664 -54.902 -16.199 67.310 1.00 23.01 5343 O SER A 664 -54.343 -16.623 66.291 1.00 24.23 5344 N ARG A 665 -55.618 -15.088 67.312 1.00 22.62												
5341 OG SER A 664 -56.965 -17.921 68.354 1.00 24.70 5342 C SER A 664 -54.902 -16.199 67.310 1.00 23.01 5343 O SER A 664 -54.343 -16.623 66.291 1.00 24.23 5344 N ARG A 665 -55.618 -15.088 67.312 1.00 22.62												
5342 C SER A 664 -54.902 -16.199 67.310 1.00 23.01 5343 O SER A 664 -54.343 -16.623 66.291 1.00 24.23 5344 N ARG A 665 -55.618 -15.088 67.312 1.00 22.62												
5343 O SER A 664 -54.343 -16.623 66.291 1.00 24.23 5344 N ARG A 665 -55.618 -15.088 67.312 1.00 22.62												
5344 N ARG A 665 -55.618 -15.088 67.312 1.00 22.62												

FIGURE 3 DA

A	В	С	D	Е		F	G	Н	I	J
5346	CB	ARG	Α	665	-57	.232	-13.903	65.98	0 1.00	23.29
5347	CG	ARG	Α	665	-58	.141	-15.116	66.00	7 1.00	23.73
5348	CD	ARG	Α	665	-59	.572	-14.808	66.17	8 1.00	26.81
5349	NE	ARG	Α	665	-60	.402	-15.948	65.79	4 1.00	27.93
5350	CZ	ARG	Α	665	-61	.511	-15.830	65.07	8 1.00	29.01
5351	NH1	ARG	Α	665	-61	.919	-14.625	64.65	6 1.00	24.12
5352	NH2	ARG	Α	665	-62	.211	-16.924	64.79	6 1.00	29.75
5353	C	ARG	Α	665		.844	-13.159	65.96	4 1.00	22.41
5354	0	ARG	Α	665	-54	.975	-12.361	65.04		22.42
5355	N	ALA	Α	666		.859	-13.094	66.85		21.95
5356	CA	ALA				.920	-11.974	66.91		23.05
5357	CB	ALA				.776	-12.291	67.87		22.46
5358	С	ALA				.370	-11.513	65.57		23.45
5359	0	ALA				.439	-10.321	65.23		23.40
5360	N	GLU				.844	-12.457	64.79		24.34
5361	CA	GLU		667		.210	-12.104	63.52		26.02
5362	CB	GLU		667		.722	-13.356	62.81		26.46
5363	CG	GLU		667		.092	-13.078	61.46		30.53
5364	CD	GLU		667		.626	-12.715	61.58		36.20
5365	OE1	GLU		667		.065	-12.186	60.59		38.89
5366	OE2	GLU		667		.027	-12.972	62.65		39.46
5367	C	GLU		667		.072	-11.259	62.58		25.57
5368 5369	O N	GLU ASN		668		.566	-10.381 -11.517	61.88		25.83
5370	CA					.257	-11.517	61.66		25.55
5370	CB	ASN ASN		668		.585	-11.516	61.49		25.59
5372	CG	ASN		668		.426	-12.848	60.78		27.16
5373	OD1	ASN		668		.536	-13.024	59.94		29.15
5374	ND2	ASN		668		.277	-13.797	61.13		26.82
5375	C	ASN		668		.503	-9.345	62.08		25.01
5376	ŏ	ASN				.031	-8.562	61.29		
5377	N	PHE				.142	-8.994	63.31		24.54
5378	CA	PHE				.315	-7.622	63.74		24.00
5379	CB			669		.077	-7.469	65.24		23.84
5380	CG	PHE		669		.266	-7.839	66.08		24.47
5381	CD1	PHE	Α	669	-55	.617	-9.168	66.25		22.23
5382	CE1	PHE	Α	669	-56	.680	-9.516	67.02	7 1.00	21.34
5383	CZ	PHE	Α	669	-57	.459	-8.528	67.62	5 1.00	22.55
5384	CE2	PHE	Α	669	-57	.132	-7.194	67.44	7 1.00	23.64
5385	CD2	PHE	Α	669	-56	.043	-6.854	66.68	0 1.00	24.33
5386	С			669		.377	-6.741	62.94		23.82
5387	0		Α	669		.424	-5.536	63.06		22.53
5388	N	LYS				.517	-7.348	62.12		24.69
5389	CA		Α	670		.615	-6.558	61.29		26.25
5390	CB	LYS		670		.587	-7.438	60.56		26.78
5391	CG	LYS		670		.279	-7.584	61.31		28.50
5392	CD		A	670		.530	-8.859	60.93		31.27
5393	CE		A	670		.245	-8.973	61.73		30.90
5394	NZ		A	670		.732	-10.369	61.73		34.92
5395	C	LYS				.409	-5.763	60.27		26.83
5396	0	LYS	Α	ь/О	-51	.940	-4.740	59.77	/ 1.00	27.69

FIGURE 3 DB

5397 N GLN A 671 -53.620 -6.217 59.986 1.00 26.93 5398 CA GLN A 671 -54.414 -5.571 58.959 1.00 27.96 5400 CG GLN A 671 -55.558 -6.606 58.208 1.00 28.05 5401 CD GLN A 671 -55.578 -6.066 58.208 1.00 30.95 5401 CD GLN A 671 -55.012 -10.121 57.502 1.00 36.61 5403 NE2 GLN A 671 -55.338 -8.472 59.471 1.00 27.33 5404 C GLN A 671 -55.338 -4.472 59.471 1.00 27.84 5405 O GLN A 671 -55.338 -4.472 59.471 1.00 27.84 5406 N VAL A 672 -55.338 -4.472 59.471 1.00 25.27 5408 C VAL A 672 -55.322 -3.242 61.267 1.00 25.27 5409 C1 VAL A 672 -57.522 -3.897 61.964
5398 CA GLN A 671 -54.414 -5.571 58.959 1.00 27.96 5400 CG GLN A 671 -55.258 -6.606 58.208 1.00 28.50 5400 CG GLN A 671 -54.473 -7.775 57.662 1.00 30.95 5401 CD GLN A 671 -55.378 -8.962 57.268 1.00 34.31 5402 CB1 GLN A 671 -55.532 -8.675 55.663 1.00 33.79 5404 C GLN A 671 -56.532 -8.675 59.471 1.00 27.84 5405 O GLN A 671 -56.012 -3.837 58.677 1.00 27.84 5406 N VAL A 672 -56.322 -3.242 61.267 1.00 27.84 5407 CA VAL A 672 -56.322 -3.242 61.267 1.00 25.27 5408 CB VAL A 672 -57.229 -3.897 61.964 1.00 25.07 5411 C VAL A 672 -57.024 -4.616 63.233
5399 CB GLN A 671 -55.258 -6.606 58.208 1.00 28.50 5401 CB GLN A 671 -54.473 -7.775 57.622 1.00 30.95 5401 CB GLN A 671 -55.378 -8.962 57.268 1.00 34.31 5402 OE1 GLN A 671 -55.378 -8.962 57.268 1.00 34.31 5403 NE2 GLN A 671 -55.532 -8.675 56.663 1.00 33.79 5405 O GLN A 671 -55.332 -4.472 59.471 1.00 27.43 5406 N VAL A 672 -55.390 -4.239 60.775 1.00 26.34 5409 CB VAL A 672 -56.522 -3.287 61.964 1.00 25.36 5410 CG2 VAL A 672 -57.529 -3.897 61.964 1.00 25.96 5411 C VAL A 672 -57.984 -4.616 63.233 1.00 24.76 5412 O VAL A 672 -57.986 -4.616 63.233
5400 CG GLN A 671 -54.473 -7.775 57.642 1.00 30.95 5401 CD GLN A 671 -55.378 -8.962 57.268 1.00 34.31 5403 NE2 GLN A 671 -55.012 -10.121 57.502 1.00 33.79 5404 C GLN A 671 -55.338 -4.472 59.471 1.00 27.84 5405 O GLN A 671 -55.338 -4.472 59.471 1.00 27.84 5406 N VAL A 672 -56.322 -3.232 60.775 1.00 25.27 5407 CA VAL A 672 -56.322 -3.242 61.267 1.00 25.27 5408 CB VAL A 672 -57.229 -3.897 61.964 1.00 25.26 5410 CC VAL A 672 -57.722 -3.294 61.964 61.00 25.60 5411 C VAL A 672 -55.722 -2.294 62.291 1.00 25.60<
5401 CD GLN A 671 -55.378 - 8.962 57.268 1.00 34.31 5402 OEI GLN A 671 -55.378 - 8.962 57.268 1.00 34.31 5403 NE2 GLN A 671 -56.532 - 8.675 56.663 1.00 33.79 5404 C GLN A 671 -56.532 - 8.675 56.663 1.00 27.43 5405 O GLN A 671 -56.532 - 8.472 54.71 1.00 27.43 5406 N VAL A 672 -56.302 - 3.242 61.267 1.00 27.83 5407 CA VAL A 672 -56.322 - 3.242 61.267 1.00 25.36 5408 CB VAL A 672 -57.529 - 3.897 61.964 1.00 25.36 5410 CG2 VAL A 672 -57.529 - 3.897 61.964 1.00 25.36 5411 C VAL A 672 -57.529 - 3.897 61.964 1.00 25.96 5412 O VAL A 672 -57.984 -4.616 63.233 1.00 25.96 5412 O VAL A 672 -57.981 -4.616 63.233 1.00 25.26 5413
5402 OE1 GLN A 671 -55.012 -10.121 57.502 1.00 36.61 5403 NE2 GLN A 671 -55.332 -8.675 56.663 1.00 33.79 5404 C GLN A 671 -55.338 -4.472 59.471 1.00 27.94 5406 N OLIN A 671 -55.338 -4.472 59.471 1.00 27.94 5407 CA VAL A 672 -55.390 -4.239 60.775 1.00 25.27 5408 CB VAL A 672 -56.322 -3.242 61.267 1.00 25.27 5409 CG1 VAL A 672 -58.253 -4.844 61.057 1.00 25.24 5411 C VAL A 672 -57.222 -2.294 62.211 1.00 25.60 5411 C VAL A 672 -55.722 -2.294 62.276 1.00 25.60 5412 O VAL A 673 -56.510 -1.333 62.622 1.00 25.62
5403 NE2 GLN A 671 -56.532 -8.675 56.663 1.00 33.79 5404 C GLN A 671 -55.338 -4.472 59.471 1.00 27.38 5405 O GLN A 671 -56.012 -3.837 58.677 1.00 27.84 5406 N VAL A 672 -56.022 -3.242 61.267 1.00 22.34 5409 CB VAL A 672 -58.539 -3.897 61.964 1.00 25.36 5410 CS2 VAL A 672 -57.529 -3.897 61.964 1.00 25.36 5411 C VAL A 672 -58.252 -4.844 61.057 1.00 25.04 5412 O VAL A 672 -57.084 -4.616 63.233 1.00 25.04 5413 N GLU A 673 -56.105 -1.303 62.626 1.00 24.76 5413 N GLU A 673 -56.108 -0.426 63.374 1.00 26.21
5404 C GLN A 671 -55.338 -4.472 59.471 1.00 27.43 5405 O GLN A 671 -56.122 -3.837 58.677 1.00 27.43 5406 N VAL A 672 -55.390 -4.239 60.775 1.00 26.34 5407 CA VAL A 672 -56.322 -3.242 61.267 1.00 25.27 5409 CCI VAL A 672 -57.529 -3.897 61.964 1.00 25.36 5410 CCZ VAL A 672 -58.253 -4.844 61.057 1.00 22.92 5411 C VAL A 672 -55.722 -2.294 62.291 1.00 25.60 5412 O VAL A 673 -56.510 -1.303 62.662 1.00 22.62 5413 N GLU A 673 -56.108 -1.303 62.662 1.00 22.82 5414 CA GLU A 673 -56.108 -1.303 62.662 1.00 22.82
5405 0 GLN A 671 -56.012 -3.837 58.677 1.00 27.84 5406 N VAL A 672 -55.390 -4.239 60.775 1.00 22.32 5407 CA VAL A 672 -56.322 -3.242 61.267 1.00 25.36 5409 CGI VAL A 672 -58.253 -4.844 61.057 1.00 25.36 5410 CG2 VAL A 672 -55.253 -4.844 61.057 1.00 24.92 5411 C VAL A 672 -55.222 -2.294 62.291 1.00 25.04 5412 O VAL A 672 -54.597 -2.452 62.760 1.00 24.76 5413 N GUD A 673 -56.108 -0.426 63.734 1.00 25.61 5415 CB GUD A 673 -56.108 -0.426 63.734 1.00 26.21 5417 CB GUD A 673 -55.993 1.493 62.474 1.00 39.84
5406 N VAL A 672 -55.390 -4.239 60.775 1.00 26.34 5407 CA VAL A 672 -56.322 -3.242 61.267 1.00 25.27 5408 CB VAL A 672 -57.529 -3.897 61.964 1.00 25.27 5409 CG1 VAL A 672 -57.529 -3.897 61.964 1.00 25.60 5411 C VAL A 672 -57.825 -3.484 61.057 1.00 25.60 5412 O VAL A 672 -55.722 -2.294 62.291 1.00 25.60 5413 N GUD A 673 -56.510 -1.303 62.62 1.00 25.60 5413 N GUD A 673 -56.10 -1.303 62.62 1.00 25.60 5414 CB GUD A 673 -56.10 -1.303 62.474 1.00 25.66 5417 CB GUD A 673 -55.999 2.115 61.157 1.00 25.66 5418 OE GUD A 673 -55.499 2.115 61.157 1
5407 CA VAL A 672 -56.322 -3.242 61.267 1.00 25.27 5408 CB VAL A 672 -57.529 -3.897 61.964 1.00 25.26 5409 CGI VAL A 672 -58.253 -4.844 61.057 1.00 25.04 5411 C VAL A 672 -55.722 -2.294 62.291 1.00 25.04 5412 O VAL A 672 -55.722 -2.294 62.291 1.00 25.04 5413 N GLU A 673 -56.108 -0.426 63.734 1.00 25.04 5414 CA GLU A 673 -56.108 -0.426 63.734 1.00 25.04 5415 CB GLU A 673 -56.198 -0.426 63.734 1.00 25.04 5416 CG GLU A 673 -55.093 1.493 62.474 1.00 23.84 5417 CD GLU A 673 -56.193 3.152 61.183 1.00 39.09
5408 CB VAL A 672 -57.529 -3.897 61.964 1.00 25.26 5409 CGI VAL A 672 -58.253 -4.844 61.057 1.00 22.92 5410 CG2 VAL A 672 -57.084 -4.616 63.233 1.00 25.04 5411 C VAL A 672 -55.722 -2.294 62.291 1.00 25.60 5413 N GUD A 673 -56.510 -1.303 62.662 1.00 25.82 5415 CB GUD A 673 -56.510 -1.303 62.4662 1.00 22.78 5415 CB GUD A 673 -56.788 1.027 63.307 1.00 22.66 5416 CB GUD A 673 -55.499 2.115 61.157 1.00 32.84 5419 OE2 GUD A 673 -55.135 1.543 60.991 1.00 23.94 5421
5409 CG1 VAL A 672 -58.253 -4.844 61.057 1.00 24.92 5410 CG2 VAL A 672 -57.084 -4.616 63.233 1.00 25.06 5411 C VAL A 672 -55.722 -2.294 62.291 1.00 25.62 5413 N GUD A 673 -56.510 -1.303 62.662 1.00 25.62 5414 CA GLU A 673 -56.108 -0.426 63.734 1.00 26.21 5415 CB GLU A 673 -56.108 -0.426 63.734 1.00 26.21 5416 CG GLU A 673 -55.093 1.493 62.474 1.00 28.84 5417 CD GLU A 673 -56.199 2.115 61.157 1.00 38.84 5418 OE1 GLU A 673 -56.193 3.152 61.183 1.00 39.09 5419 OE2 GLU A 673 -56.193 3.152 61.183 1.00 23.44 5421 O GLU A 673 -56.906 -0.800 64.979
5410 CG2 VAL A 672 -57.084 -4.616 63.233 1.00 25.04 5411 C VAL A 672 -55.722 -2.294 62.291 1.00 25.60 5412 O VAL A 672 -55.722 -2.294 62.291 1.00 25.60 5413 N GLU A 673 -56.510 -1.303 62.662 1.00 25.82 5415 CB GLU A 673 -56.510 -1.303 62.476 1.00 25.82 5415 CB GLU A 673 -56.278 1.027 63.334 1.00 26.66 5415 CB GLU A 673 -55.499 1.193 62.474 1.00 38.58 5418 OE1 GLU A 673 -55.499 2.115 61.157 1.00 38.58 5419 OE2 GLU A 673 -55.199 2.115 61.157 1.00 38.58 5421 O GLU A 673 -55.135 1.543 60.91 1.00 24.83 5421 O GLU A 673 -56.906 -0.800 64.925 <td< td=""></td<>
5411 C VAL A 672 -55.722 -2.294 62.291 1.00 25.60 5412 O VAL A 673 -55.722 -2.294 62.291 1.00 25.60 5413 N GLU A 673 -56.510 -1.303 62.662 1.00 25.82 5414 CA GLU A 673 -56.108 -1.207 63.307 1.00 25.62 5415 CB GLU A 673 -56.278 1.027 63.307 1.00 25.65 5416 CG GLU A 673 -55.099 1.493 62.474 1.00 32.84 5419 OEJ GLU A 673 -56.193 3.152 61.183 1.00 39.09 5419 OEJ GLU A 673 -56.193 3.152 61.183 1.00 39.09 5420 C GLU A 673 -56.996 -0.800 64.979 1.00 24.83 5421 O GLU A 673 -56.206 -0.930 64.925 1.00 24.83 5421 O GLU A 673 -56.106 -0.944 66.097 <td< td=""></td<>
5412 0 VAL A 672 -54.597 -2.452 62.760 1.00 24.76 5413 N GUD A 673 -56.100 -1.303 62.662 1.00 25.82 5414 CA GUD A 673 -56.108 -0.426 63.734 1.00 26.21 5415 CB GUD A 673 -55.093 1.493 62.474 1.00 26.66 5416 CG GUD A 673 -55.093 1.493 62.474 1.00 28.84 5417 CD GLU A 673 -55.199 2.115 61.183 1.00 39.08 5419 OE2 GLU A 673 -56.193 3.152 61.183 1.00 39.08 5420 C GLU A 673 -56.193 3.152 61.89 1.00 23.94 5421 O GLU A 673 -56.193 3.152 60.91 1.00 24.87 5422 N TYR A 674 -56.208 -0.930 64.925 1.00 24.87 5423 CA TYR A 674 -56.796 -1.468 67.305 1.0
5413 N GLU A 673 -56.510 -1.303 62.662 1.00 28.82 5414 CA GLU A 673 -56.108 -0.426 63.734 1.00 26.62 5415 CB GLU A 673 -56.278 1.027 63.307 1.00 26.62 5416 CG GLU A 673 -55.093 1.493 62.474 1.00 32.84 5417 CD GLU A 673 -55.099 2.115 61.157 1.00 38.58 5418 OB1 GLU A 673 -56.193 3.152 61.183 1.00 39.09 5421 O GLU A 673 -56.906 -0.800 64.979 1.00 24.83 5421 O GLU A 673 -56.906 -0.800 64.979 1.00 24.83 5421 O GLU A 673 -56.208 -0.944 66.097 1.00 23.74 5422 N TYR A 674 -56.208 -0.944 66.097 1.00 23.74 5423 C TYR A 674 -56.796 -1.468 67.305
5414 CA GLU A 673 -56.108 -0.426 63.734 1.00 26.21 5415 CB GLU A 673 -56.278 1.027 63.307 1.00 26.62 5416 CG GLU A 673 -55.093 1.493 62.474 1.00 32.84 5417 CD GLU A 673 -56.193 3.152 61.183 1.00 39.09 5419 OE2 GLU A 673 -56.193 3.152 61.183 1.00 39.09 5420 C GLU A 673 -56.196 -0.800 64.979 1.00 24.87 5421 O GLU A 673 -56.193 3.152 61.183 1.00 33.09 5421 O GLU A 673 -58.126 -0.930 64.975 1.00 24.87 5422 N TYR A 674 -56.796 -1.468 67.305 1.00 23.94 5424 CB TYR A 674 -56.796 -1.468 67.305 1.00 23.95 5425 CG TYR A 674 -56.796 -1.468 67.305 <td< td=""></td<>
5415 CB GUU A 673 -56.278 1.027 63.307 1.00 26.66 5416 CG GUU A 673 -55.093 1.493 62.474 1.00 32.84 5417 CD GUU A 673 -55.499 2.115 61.157 1.00 32.84 5418 OE1 GUU A 673 -55.499 2.115 61.157 1.00 33.99 5420 C GUU A 673 -55.135 1.543 60.091 1.00 33.99 5421 O GUU A 673 -56.906 -0.800 64.979 1.00 24.83 5421 O GUU A 673 -56.906 -0.800 64.979 1.00 24.83 5421 O GUU A 673 -56.208 -0.944 66.097 1.00 23.74 5422 N TYR A 674 -56.796 -1.468 67.305 1.00 23.74 5423 C TYR A 674 -56.128 -2.803 67.576 1.00 23.95
5416 CG GUJA 673 -55.093 1.493 62.474 1.00 32.84 5418 OEU GUJA 673 -55.499 2.115 61.157 1.00 38.58 5418 OEE GUJA 673 -56.193 3.152 61.183 1.00 33.09 5420 C GUJA 673 -56.906 -0.800 64.979 1.00 24.87 5421 O GLUA 673 -56.906 -0.800 64.979 1.00 24.87 5422 N TYR A 674 -56.796 -0.930 64.975 1.00 24.87 5423 CA TYR A 674 -56.796 -1.468 67.305 1.00 23.16 5424 CB TYR A 674 -56.796 -1.468 67.305 1.00 23.95 5425 CG TYR A 674 -56.730 -3.691 68.818 1.00 22.89 5427 CEI TYR A 674 -58.626 -4.653 69.757 1.00 20.25
5417 CD GLU A 673 -55.499 2.115 61.157 1.00 38.58 5418 OE1 GLU A 673 -55.193 3.152 61.183 1.00 39.09 5419 OE2 GLU A 673 -55.135 1.543 60.091 1.00 24.83 5421 O GLU A 673 -56.906 -0.800 64.925 1.00 24.83 5422 N TYR A 674 -56.208 -0.944 66.097 1.00 23.74 5423 CA TYR A 674 -56.208 -0.944 66.097 1.00 23.69 5425 CG TYR A 674 -56.128 -2.803 67.576 1.00 23.69 5426 CB TYR A 674 -56.128 -2.803 67.576 1.00 23.69 5427 CB TYR A 674 -56.309 -3.691 66.353 1.00 22.50 5428 CZ TYR A 674 -58.626 -4.653 69.757 1.00 20.32 5429 OH TYR A 674 -58.278 -6.317 71.470
5418 OE1 GLU A 673 -56.193 3.152 61.183 1.00 39.09 5419 OE2 GLU A 673 -56.196 -0.800 64.979 1.00 42.83 5421 O GLU A 673 -56.906 -0.800 64.979 1.00 24.87 5421 O GLU A 673 -56.208 -0.930 64.925 1.00 24.87 5422 N TYR A 674 -56.208 -0.944 66.097 1.00 23.74 5424 CB TYR A 674 -56.796 -1.468 67.305 1.00 23.16 5425 CG TYR A 674 -56.730 -3.691 68.818 1.00 22.50 5426 CDI TYR A 674 -58.626 -4.653 69.757 1.00 20.32 5428 CZ TYR A 674 -58.626 -4.653 69.757 1.00 20.32 5429 OH TYR A 674 -58.278 -6.317 71.470 1.00 20.93 5428 CZ TYR A 674 -58.278 -6.317 71.470
5419 OB2 GLU A 673 -55.135 1.543 60.091 1.00 243.37 5420 C GLU A 673 -56.096 -0.800 64.992 1.00 24.87 5421 O GLU A 673 -58.126 -0.930 64.925 1.00 24.87 5422 N TYR A 674 -56.208 -0.944 66.097 1.00 23.74 5423 C TYR A 674 -56.128 -2.803 67.576 1.00 23.69 5425 C TYR A 674 -56.128 -2.803 67.576 1.00 23.69 5426 CD1 TYR A 674 -58.097 -3.782 68.818 1.00 21.88 5427 CE1 TYR A 674 -58.626 -4.653 69.575 1.00 20.32 5428 C TYR A 674 -58.278 -6.317 71.470 1.00 20.32 5429 OB TYR A 674 -58.278 -6.317 71.470 1.00 20.93 5429 OB TYR A 674 -58.194 9.349 70.355
5420 C GUD A 673 -56.906 -0.800 64.979 1.00 24.83 5421 O GUD A 673 -58.126 -0.930 64.925 1.00 24.83 5422 N TYR A 674 -56.208 -0.944 66.097 1.00 23.74 5423 CA TYR A 674 -56.208 -1.468 67.305 1.00 23.76 5424 CB TYR A 674 -56.128 -2.803 67.576 1.00 23.59 5426 CDI TYR A 674 -56.730 -3.691 68.818 1.00 22.50 5427 CEI TYR A 674 -58.626 -4.653 69.757 1.00 20.32 5428 CZ TYR A 674 -58.626 -4.653 69.575 1.00 20.32 5429 OH TYR A 674 -58.278 -6.317 71.470 1.00 20.32 5430 CZ TYR A 674 -58.278 -6.317 71.470 1.00 20.36<
5421 0 GLU A 673 -58.126 -0.930 64.925 1.00 24.87 5422 N TYR A 674 -56.208 -0.944 66.097 1.00 23.74 5423 CA TYR A 674 -56.796 -1.468 67.305 1.00 23.69 5425 CB TYR A 674 -56.128 -2.803 67.576 1.00 23.69 5426 CDI TYR A 674 -58.097 -3.782 68.818 1.00 22.88 5427 CEI TYR A 674 -58.097 -3.782 68.818 1.00 20.32 5428 CZ TYR A 674 -57.776 -5.446 70.510 1.00 20.32 5429 OR TYR A 674 -58.278 -6.317 71.470 1.00 20.32 5429 OR TYR A 674 -58.278 -6.317 71.470 1.00 19.71 5430 CEZ TYR A 674 -55.909 -4.494 69.419 1.00 22.86 5432 C TYR A 674 -55.521 -0.613 68.505
5422 N TYR A 674 -56.208 -0.944 66.097 1.00 23.74 5423 CA TYR A 674 -56.796 -1.468 67.305 1.00 23.16 5424 CB TYR A 674 -56.128 -2.803 67.576 1.00 23.59 5425 CG TYR A 674 -56.730 -3.691 68.818 1.00 22.80 5427 CE1 TYR A 674 -58.626 -4.653 69.757 1.00 20.32 5428 CZ TYR A 674 -58.626 -4.653 67.575 1.00 20.32 5429 OH TYR A 674 -58.278 -6.317 71.470 1.00 20.32 5430 CE2 TYR A 674 -58.278 -6.317 71.470 1.00 20.93 5431 CD2 TYR A 674 -55.590 -4.494 69.419 1.00 22.56 5432 C TYR A 674 -56.521 -0.613 68.505 1.00 22.5
5423 CA TYR A 674 -56.796 -1.468 67.305 1.00 23.16 5425 CB TYR A 674 -56.128 -2.803 67.576 1.00 23.69 5426 CD TYR A 674 -56.730 -3.691 68.635 1.00 22.50 5426 CD TYR A 674 -58.097 -3.782 68.818 1.00 22.88 5427 CE TYR A 674 -58.626 -4.653 69.757 1.00 20.32 5429 OR TYR A 674 -57.776 -5.446 70.510 1.00 20.32 5429 OR TYR A 674 -58.278 -6.317 71.470 1.00 20.32 5430 CE TYR A 674 -55.909 -4.494 69.419 1.00 22.86 5431 CD TYR A 674 -55.521 -0.613 68.505 1.00 22.50 5432 C TYR A 674 -55.526 -0.613 68.761 1.00 22.50<
5424 CB TYR A 674 -56.128 -2.803 67.576 1.00 23.69 5425 CG TYR A 674 -56.730 -3.691 68.635 1.00 22.50 5426 CD1 TYR A 674 -58.697 -3.782 68.818 1.00 21.89 5427 CE1 TYR A 674 -58.626 -4.653 69.757 1.00 20.32 5428 CZ TYR A 674 -57.76 -5.464 70.510 1.00 20.32 5420 OR TYR A 674 -58.278 -6.317 71.470 1.00 20.83 5431 CD2 TYR A 674 -55.909 -4.494 69.419 1.00 22.86 5432 C TYR A 674 -56.521 -0.613 68.505 1.00 22.50 5433 O TYR A 674 -56.521 -0.613 68.505 1.00 22.50
5425 CG TYR A 674 -56.730 -3.691 68.635 1.00 22.50 5426 CDI TYR A 674 -58.997 -3.782 68.818 1.00 21.88 5427 CEI TYR A 674 -58.626 -4.653 69.757 1.00 20.63 5428 CZ TYR A 674 -58.278 -6.317 71.470 1.00 19.06 5430 CE2 TYR A 674 -56.499 -5.349 70.355 1.00 19.78 5431 CDZ TYR A 674 -56.99 -4.494 69.419 1.00 22.50 5432 C TYR A 674 -56.591 -0.613 68.505 1.00 22.50 5432 C TYR A 674 -56.521 -0.613 68.505 1.00 22.50 5433 C TYR A 674 -56.521 -0.613 68.505 1.00 22.50
5426 CDI TYR A 674 -58.097 -3.782 68.818 1.00 21.88 5427 CEI TYR A 674 -58.026 -4.653 69.757 1.00 20.32 5428 CZ TYR A 674 -57.776 -5.446 70.510 1.00 20.32 5429 OR TYR A 674 -58.278 -6.317 71.470 1.00 19.71 5431 CDZ TYR A 674 -55.909 -4.494 69.419 1.00 22.86 5432 C TYR A 674 -56.521 -0.613 68.505 1.00 22.50 5433 O TYR A 674 -55.378 -0.217 68.761 1.00 22.50
5427 CB1 TYR A 674 -58.626 -4.653 69.757 1.00 20.32 5428 CZ TYR A 674 -57.776 -5.446 70.510 1.00 20.63 5429 OH TYR A 674 -58.278 -6.317 71.470 1.00 19.71 5430 CE2 TYR A 674 -56.419 -56.349 70.355 1.00 19.78 5431 CD2 TYR A 674 -55.909 -4.494 69.419 1.00 22.56 5432 C TYR A 674 -56.521 -0.613 68.505 1.00 22.50 5433 O TYR A 674 -55.378 -0.217 68.761 1.00 22.50
5428 CZ TYR A 674 -57.776 -5.446 70.510 1.00 20.63 5429 OH TYR A 674 -58.278 -6.317 71.470 1.00 19.71 5430 CEZ TYR A 674 -56.419 -5.349 70.355 1.00 19.78 5431 CD2 TYR A 674 -55.909 -4.494 69.419 1.00 22.86 5432 C TYR A 674 -56.521 -0.613 68.505 1.00 22.50 5433 O TYR A 674 -55.378 -0.217 68.761 1.00 22.50
5429 OH TYR A 674 -58.278 -6.317 71.470 1.00 19.71 5430 CEZ TYR A 674 -56.419 -5.349 70.355 1.00 19.78 5431 CD2 TYR A 674 -55.909 -4.494 69.419 1.00 22.86 5432 C TYR A 674 -56.521 -0.613 68.505 1.00 22.50 5433 O TYR A 674 -55.378 -0.217 68.761 1.00 22.76
5430 CE2 TYR A 674 -56.419 -5.349 70.355 1.00 19.78 5431 CD2 TYR A 674 -55.909 -4.494 69.419 1.00 22.86 5432 C TYR A 674 -56.521 -0.613 68.505 1.00 22.50 5433 O TYR A 674 -55.378 -0.217 68.761 1.00 22.76
5431 CD2 TYR A 674 -55.909 -4.494 69.419 1.00 22.86 5432 C TYR A 674 -56.521 -0.613 68.505 1.00 22.76 5433 O TYR A 674 -55.378 -0.217 68.761 1.00 22.76
5432 C TYR A 674 -56.521 -0.613 68.505 1.00 22.50 5433 O TYR A 674 -55.378 -0.217 68.761 1.00 22.76
5433 O TYR A 674 -55.378 -0.217 68.761 1.00 22.76
5435 CA LEU A 675 -57.442 0.346 70.520 1.00 20.60
5436 CB LEU A 675 -58.244 1.624 70.470 1.00 20.09
5437 CG LEU A 675 -58.453 2.411 71.752 1.00 21.82
5438 CD1 LEU A 675 -57.128 2.565 72.554 1.00 21.00
5439 CD2 LEU A 675 -59.092 3.773 71.432 1.00 17.43
5440 C LEU A 675 -57.943 -0.620 71.576 1.00 20.21
5441 O LEU A 675 -59.030 -1.156 71.458 1.00 19.19
5442 N LEU A 676 -57.110 -0.868 72.584 1.00 20.43
5443 CA LEU A 676 -57.418 -1.836 73.615 1.00 20.25
5444 CB LEU A 676 -56.354 -2.928 73.589 1.00 20.35
5445 CG LEU A 676 -56.403 -3.988 74.699 1.00 21.03
5446 CD1 LEU A 676 -55.232 -4.949 74.527 1.00 20.07
5447 CD2 LEU A 676 -57.710 -4.750 74.712 1.00 15.68

FIGURE 3 DC

A	В	C D E	F	G	H	I	J
5448	С	LEU A 676	-57.443	-1.106	74.963	1.00	20.14
5449	0	LEU A 676	-56.462	-0.496	75.364	1.00	20.18
5450	N	ILE A 677	-58.565	-1.186	75.665	1.00	19.62
5451	CA	ILE A 677	-58.738	-0.410	76.869	1.00	18.78
5452	CB	ILE A 677	-59.777	0.703	76.578	1.00	19.27
5453	CG1	ILE A 677	-59.247	1.648	75.487	1.00	18.01
5454	CD1	ILE A 677	-60.282	2.598	74.961	1.00	19.97
5455	CG2	ILE A 677	-60.155	1.467	77.858	1.00	17.07
5456	C	ILE A 677	-59.247	-1.287	77.964	1.00	18.90
5457	0	ILE A 677	-60.118	-2.124	77.732	1.00	19.18
5458	N	HIS A 678	-58.729	-1.093	79.172	1.00	18.70
5459	CA	HIS A 678	-59.159	-1.919	80.307	1.00	18.53
5460	CB	HIS A 678	-58.382	-3.248	80.293	1.00	17.83
5461	CG	HIS A 678	-59.202	-4.430	80.703	1.00	16.75
5462	ND1	HIS A 678	-59.772	-4.538	81.950	1.00	16.89
5463	CE1	HIS A 678	-60.449	-5.670	82.028	1.00	15.28
5464	NE2	HIS A 678	-60.325	-6.305	80.878	1.00	17.63
5465	CD2	HIS A 678	-59.550	-5.552	80.031	1.00	13.04
5466	C	HIS A 678	-58.927	-1.205	81.638	1.00	18.25 18.44
5467 5468	N	HIS A 678 GLY A 679	-57.954 -59.814	-0.495 -1.413	81.797 82.599	1.00	18.83
5469	CA	GLY A 679	-59.635	-0.847	83.926	1.00	18.61
5470	CA	GLY A 679	-58.778	-1.817	84.730	1.00	19.16
5471	0	GLY A 679	-59.034	-3.026	84.694	1.00	18.63
5472	N	THR A 680	-57.786	-1.307	85.462	1.00	19.32
5473	CA	THR A 680	-56.872	-2.181	86.193	1.00	20.63
5474	CB	THR A 680	-55.611	-1.449	86.652	1.00	20.52
5475	OG1	THR A 680	-55.945	-0.454	87.629	1.00	19.71
5476	CG2	THR A 680	-54.998	-0.692	85.487	1.00	19.76
5477	C	THR A 680	-57.503	-2.854	87.369	1.00	21.04
5478	0	THR A 680	-56.991	-3.857	87.844	1.00	21.57
5479	N	ALA A 681	-58.629	-2.324	87.828	1.00	21.61
5480	CA	ALA A 681	-59.307	-2.924	88.969	1.00	21.60
5481	CB	ALA A 681	-59.531	-1.881	90.106	1.00	21.79
5482	C	ALA A 681	-60.612	-3.564	88.560	1.00	21.42
5483	0	ALA A 681	-61.578	-3.609	89.346		22.68
5484	N	ASP A 682	-60.662	-4.057	87.331	1.00	20.59
5485	CA	ASP A 682	-61.843	-4.783	86.874	1.00	19.76
5486	CB	ASP A 682	-61.781	-4.986	85.369	1.00	19.79
5487	CG	ASP A 682	-63.096	-5.370	84.787	1.00	19.27
5488	OD1	ASP A 682	-63.365	-4.926	83.648	1.00	18.05
5489	OD2	ASP A 682	-63.924	-6.116	85.384	1.00	20.65
5490	C	ASP A 682	-61.849	-6.143	87.574	1.00	19.39
5491 5492	0	ASP A 682	-60.920	-6.949	87.388	1.00	20.06
	N	ASP A 683	-62.873 -63.053	-6.368 -7.579	88.383 89.154	1.00	17.86 18.48
5493 5494	CA CB	ASP A 683 ASP A 683	-63.053 -63.826	-7.242	90.432	1.00	17.90
5494	CG	ASP A 683	-63.826 -65.169	-6.613	90.432	1.00	18.77
5495	OD1	ASP A 683	-65.198	-5.405	89.794	1.00	18.95
5497	OD2	ASP A 683	-66.254	-7.240	90.165	1.00	19.04
5498	C	ASP A 683	-63.903	-8.579	88.399	1.00	18.58
5.50	-	1101 11 000	33.303	0.075	00.000	1.00	10.00

FIGURE 3 DD

A	В	C I)	E	F	G	Н	I	J
5499	0	ASP	А	683	-64.084	-9.715	88.837	1.00	18.03
5500	N	ASN			-64.458	-8.115	87.288	1.00	19.43
5501	CA	ASN			-65.363	-8.906	86.477	1.00	
5502	CB	ASN			-66.486	-8.023	85.949	1.00	
5503	CG	ASN			-67.604	-8.818	85.340	1.00	
5504	OD1	ASN			-68.750	-8.370	85.273	1.00	21.80
5505	ND2	ASN			-67.288	-9.999	84.902	1.00	
5506	C	ASN			-64.596	-9.559	85.343	1.00	19.82
5507	ō	ASN			-64.396	-10.765	85.359	1.00	19.74
5508	N	VAL			-64.199	-8.779	84.343	1.00	
5509	CA	VAL			-63.270	-9.312	83.354	1.00	20.08
5510	CB	VAL	Α	685	-63.752	-9.284	81.849	1.00	20.03
5511	CG1	VAL			-64.884	-8.373	81.618	1.00	
5512	CG2	VAL	Α	685	-62.583	-9.198	80.825	1.00	19.81
5513	C	VAL	Α	685	-61.916	-8.742	83.711	1.00	20.09
5514	0	VAL	Α	685	-61.650	-7.544	83.611	1.00	20.35
5515	N	HIS	Α	686	-61.075	-9.631	84.213	1.00	20.12
5516	CA	HIS	Α	686	-59.821	-9.218	84.812	1.00	19.79
5517	CB	HIS	Α	686	-59.188	-10.425	85.511	1.00	19.73
5518	CG	HIS	Α	686	-60.135	-11.064	86.471	1.00	20.36
5519	ND1	HIS	Α	686	-60.197	-12.425	86.682	1.00	20.39
5520	CE1	HIS	Α	686	-61.167	-12.685	87.546	1.00	22.42
5521	NE2	HIS			-61.730	-11.542	87.905	1.00	21.66
5522	CD2	HIS			-61.111	-10.514	87.238	1.00	19.34
5523	C	HIS	Α	686	-58.934	-8.539	83.811	1.00	19.06
5524	0	HIS			-58.963	-8.878	82.636	1.00	19.35
5525	N	PHE		687	-58.200	-7.543	84.268	1.00	17.93
5526	CA			687	-57.250	-6.840	83.421	1.00	18.46
5527	CB			687	-56.450	-5.821	84.258	1.00	17.73
5528	CG			687	-55.409	-5.065	83.474	1.00	16.73
5529	CD1			687	-55.747	-3.918	82.766	1.00	17.46
5530	CE1	PHE			-54.778	-3.202	82.024	1.00	17.04
5531	CZ	PHE			-53.453	-3.649	82.030	1.00	18.40
5532	CE2			687	-53.115	-4.795	82.754	1.00	19.00
5533	CD2			687	-54.091	-5.498	83.457	1.00	16.43
5534	C	PHE			-56.320	-7.855	82.761	1.00	19.20
5535	0	PHE			-55.843	-7.643	81.629	1.00	20.05
5536	N	GLN			-56.056	-8.946	83.485	1.00	19.16
5537	CA	GLN			-55.316	-10.095	82.956	1.00	19.67
5538	CB	GLN			-55.745	-11.339	83.745	1.00	18.80
5539 5540	CG CD	GLN			-55.330 -56.070	-12.648 -13.822	83.117 83.682	1.00	18.72 19.04
5541		GLN			-57.240	-13.822		1.00	21.89
5542	OE1				-57.240	-14.963	84.032 83.756	1.00	19.69
5543	NE2 C	GLN			-55.685	-14.963	81.510	1.00	20.02
5544	0	GLN			-54.869	-10.360	80.628	1.00	20.02
5545	N	GLN			-56.969	-10.817	81.295	1.00	20.99
5546	CA	GLN			-57.558	-10.303	80.022	1.00	21.16
5547	CB	GLN			-59.068	-10.641	80.242	1.00	20.04
5548	CG	GLN			-59.791	-11.314	79.236		24.17
5549	CD	GLN				-12.518	79.697		22.03
5545	SD	OTH4	11	555	00.502	12.010		1.00	22.03

FIGURE 3 DE

A	В	C D	E	F	G	H	I	J
5550	OE1	GLN A		-60.625		78.941		23.32
5551	NE2	GLN A		-61.210		80.877		18.54
5552	C	GLN A		-57.040	-9.780	78.842		20.37
5553	0	GLN A			-10.282	77.769	1.00	19.90
5554	N	SER A		-56.914	-8.477	79.070		20.07
5555	CA	SER A		-56.309	-7.607	78.066		19.13
5556	CB	SER A		-56.806	-6.175	78.221	1.00	19.29
5557	OG	SER A		-58.131	-6.079	77.729	1.00	19.94
5558	С	SER A		-54.778	-7.635	78.140	1.00	18.61
5559	0	SER A		-54.082	-7.416	77.147	1.00	18.97
5560	N	ALA A		-54.241	-7.901	79.309	1.00	17.44
5561	CA	ALA A		-52.808	-8.011	79.391	1.00	18.16
5562	CB	ALA A		-52.344	-8.171	80.835	1.00	17.77
5563	C	ALA A		-52.340	-9.186	78.516	1.00	18.66
5564	0	ALA A		-51.245	-9.157	77.964	1.00	18.93
5565	N	GLN A		-53.179		78.358	1.00	18.73
5566	CA	GLN A		-52.806	-11.332	77.510	1.00	19.69
5567	CB	GLN A			-12.603	77.892	1.00	18.56
5568	CG	GLN A		-53.201	-13.095	79.275	1.00	20.39
5569	CD	GLN A	692	-51.780	-13.645	79.376		23.39
5570	OE1	GLN A		-50.982	-13.499	78.466		25.31
5571	NE2	GLN A		-51.474	-14.301	80.497		26.76
5572	C	GLN A			-11.005	76.036		20.10
5573	0	GLN A	692	-52.187	-11.506	75.223		21.08
5574	N	ILE A	693	-53.886	-10.130	75.692	1.00	20.67
5575	CA	ILE A	693	-54.047	-9.709	74.305		20.84
5576	CB	ILE A	693	-55.325	-8.836	74.151	1.00	20.74
5577	CG1	ILE A	693	-56.601	-9.653	74.369		21.91
5578	CD1	ILE A	693	-57.898	-8.813	74.261	1.00	20.81
5579	CG2	ILE A	693	-55.353	-8.152	72.786	1.00	19.56
5580	C	ILE A	693	-52.859	-8.863	73.881	1.00	21.49
5581	0	ILE A	693	-52.344	-8.991	72.758	1.00	22.44
5582	N	SER A	694	-52.441	-7.955	74.766	1.00	21.62
5583	CA	SER A	694	-51.366	-7.025	74.430	1.00	20.99
5584	CB	SER A	694	-51.237	-5.936	75.509	1.00	21.40
5585	OG	SER A	694	-50.800	-6.466	76.767	1.00	21.44
5586	C	SER A	694	-50.046	-7.776	74.245	1.00	20.98
5587	0	SER A	694	-49.299	-7.497	73.318	1.00	20.54
5588	N	LYS A	695	-49.788	-8.757	75.108	1.00	20.70
5589	CA	LYS A	695	-48.558	-9.527	75.042	1.00	21.06
5590	CB	LYS A	695	-48.450	-10.469	76.253	1.00	21.11
5591	CG	LYS A	695	-47.228	-11.380	76.223	1.00	19.11
5592	CD	LYS A	695	-46.817	-11.821	77.621	1.00	17.75
5593	CE	LYS A	695	-47.969	-12.543	78.326	1.00	22.33
5594	NZ	LYS A	695	-48.205	-13.939	77.821	1.00	21.64
5595	C	LYS A	695	-48.480	-10.325	73.744	1.00	21.90
5596	0	LYS A	695	-47.430	-10.384	73.090	1.00	22.18
5597	N	ALA A		-49.605	-10.923	73.367	1.00	21.75
5598	CA	ALA A	696	-49.674	-11.701	72.152	1.00	22.10
5599	CB	ALA A	696	-51.026	-12.427	72.071	1.00	22.32
5600	C	ALA A	696	-49.453	-10.814	70.915	1.00	22.60

FIGURE 3 DF

A	В	C I) E	F	G	H	I	J
5601	0	ALA A	606	_10 011	-11.235	69.941	1 00	23.63
5602	N	LEU A		-49.980	-9.596	70.945		21.62
5603	CA	LEU A		-49.785	-8.680	69.833		21.54
5604	CB	LEU A		-50.685	-7.455	69.976		20.89
5605	CG	LEU A		-52.164	-7.826	69.864	1.00	
5606	CD1			-53.084	-6.621	70.175		20.00
		LEU A		-52.411				
5607	CD2	LEU A		-48.343	-8.383	68.457	1.00	
5608	С	LEU A		-47.749	-8.255 -8.208	69.744	1.00	21.66
5609	0	LEU A				68.671		
5610	N	VAL A		-47.772	-7.950	70.889		21.80
5611	CA	VAL A		-46.386	-7.580	70.947		21.82
5612	CB	VAL A		-45.956	-7.293	72.411		21.78
5613	CG1	VAL A		-44.448	-7.058	72.492	1.00	
5614	CG2	VAL A		-46.718	-6.080	72.932	1.00	
5615	C	VAL A		-45.543	-8.695	70.373		22.31
5616	0	VAL A		-44.636	-8.464	69.582		22.30
5617	N	ASP A		-45.837	-9.912	70.793		23.20
5618	CA	ASP A		-45.087	-11.066	70.341		24.23
5619	CB	ASP F		-45.472	-12.288	71.163		24.60
5620	CG	ASP F		-44.916	-12.227	72.576	1.00	
5621	OD1	ASP F			-13.002	73.438		31.21
5622	OD2	ASP A			-11.428	72.913	1.00	
5623	C	ASP F			-11.357	68.835		24.78
5624	0	ASP F			-12.089	68.344		25.40
5625	N	VAL A			-10.814	68.103		25.13
5626	CA	VAL A			-10.998	66.650		25.71
5627	CB	VAL A			-11.541	66.081	1.00	
5628	CG1	VAL A		-48.681	-10.797	66.679		26.60
5629	CG2	VAL A			-11.325	64.590		29.63
5630	C	VAL A		-45.819	-9.673	65.980		25.45
5631	0	VAL A		-45.959	-9.515	64.770	1.00	
5632	N	GLY F		-45.410	-8.696	66.779	1.00	
5633	CA	GLY F		-44.989	-7.427	66.221		25.28
5634	C	GLY F		-46.071	-6.590	65.564		25.90
5635	0	GLY F		-45.807	-5.945	64.545		26.61
5636	N	VAL A		-47.284	-6.577	66.114	1.00	
5637	CA	VAL A		-48.278	-5.673	65.569		25.62
5638	CB	VAL A	702	-49.634	-6.333	65.229	1.00	25.87
5639	CG1	VAL A		-49.524	-7.843	65.210	1.00	27.50
5640	CG2	VAL A	702	-50.733	-5.851	66.159	1.00	25.14
5641	C	VAL A	702	-48.462	-4.476	66.487	1.00	
5642	0	VAL A	702	-48.465	-4.601	67.721	1.00	25.45
5643	N	ASP F	703	-48.572	-3.298	65.897	1.00	25.10
5644	CA	ASP F	703	-48.762	-2.146	66.727	1.00	25.76
5645	CB	ASP F	703	-47.982	-0.927	66.251	1.00	26.50
5646	CG	ASP A		-47.352	-0.205	67.422	1.00	
5647	ODI	ASP A	703	-47.844	0.867	67.752	1.00	27.65
5648	OD2	ASP A	703	-46.386	-0.691	68.098	1.00	34.54
5649	C	ASP F		-50.233	-1.833	66.921	1.00	25.15
5650	0	ASP A	703	-51.064	-2.154	66.089	1.00	25.14
5651	N	PHE A	704	-50.539	-1.205	68.041	1.00	24.41

FIGURE 3 DG

A	В	C D	Е	F	G	Н	I	J
5652	CA	PHE A	704	-51.918	-0.982	68.392	1.00	23.98
5653	CB	PHE A	704	-52.511	-2.289	68.902	1.00	23.42
5654	CG	PHE A	704	-51.854	-2.793	70.144	1.00	21.87
5655	CD1	PHE A		-52.307	-2.394	71.390	1.00	20.47
5656	CE1	PHE A		-51.689	-2.862	72.555	1.00	
5657	CZ	PHE A		-50.622	-3.722	72.466	1.00	19.75
5658	CE2	PHE A		-50.158	-4.120	71.228	1.00	20.84
5659	CD2	PHE A		-50.769	-3.654	70.072		20.98
5660	С	PHE A		-51.944	0.064	69.481		23.79
5661	0	PHE A		-50.896	0.405	70.040	1.00	
5662	N	GLN A		-53.135	0.573	69.776	1.00	23.59
5663	CA	GLN A		-53.276	1.629	70.780		23.77
5664	CB	GLN A		-54.343	2.639	70.368		24.73
5665	CG	GLN A		-54.119	3.225	69.034		27.99
5666	CD	GLN A		-52.835	3.950	69.005	1.00	
5667	OE1	GLN A		-51.939	3.604	68.216	1.00	39.07
5668	NE2	GLN A		-52.703 -53.751	4.957	69.874	1.00	34.12
5669 5670	C O	GLN A		-54.492	0.998	72.032		22.34
5671	N	ALA A		-53.361	1.563	73.151	1.00	
5672	CA	ALA A		-53.754	1.015	74.427	1.00	
5673	CB	ALA A		-52.656	0.139	74.981		21.03
5674	C	ALA A		-54.076	2.096	75.417		21.31
5675	0	ALA A		-53.567	3.219	75.350		21.42
5676	N	MET A		-54.946	1.756	76.347		21.58
5677	CA	MET A		-55.193	2.650	77.456		21.80
5678	CB	MET A		-56.241	3.703	77.093		20.90
5679	CG	MET A		-56.551	4.628	78.247		23.88
5680	SD	MET A		-55.230	5.830	78.520	1.00	25.22
5681	CE	MET A		-55.541	6.235	80.200	1.00	31.39
5682	С	MET A		-55.670	1.827	78.638	1.00	21.25
5683	0	MET A	707	-56.672	1.152	78.542	1.00	22.25
5684	N	TRP A	708	-54.955	1.893	79.748		21.26
5685	CA	TRP A	708	-55.383	1.243	80.986	1.00	21.09
5686	CB	TRP A	708	-54.159	0.674	81.733	1.00	20.16
5687	CG	TRP A		-53.290	1.679	82.397		21.34
5688	CD1	TRP A		-53.524	2.319	83.592		20.72
5689	NE1	TRP A		-52.496	3.189	83.869		19.65
5690	CE2	TRP A		-51.559	3.112	82.873	1.00	20.47
5691	CD2	TRP A		-52.019	2.169	81.930		21.66
5692	CE3	TRP A		-51.227	1.907	80.809		19.72
5693	CZ3	TRP A		-50.039	2.560	80.675		20.65
5694	CH2	TRP A		-49.610	3.499	81.630	1.00	
5695 5696	CZ2	TRP A		-50.348	3.775	82.735	1.00	20.23
5697	C O	TRP A		-56.063 -55.741	2.326	81.826 81.679	1.00	20.98
5698	N	TYR A		-55.741	1.973	82.678		20.79
5699	CA	TYR A		-57.582	2.972	83.596	1.00	19.76
5700	CB	TYR A		-59.065	3.279	83.313	1.00	19.02
5701	CG	TYR A		-59.226	4.211	82.143		17.81
5702	CD1	TYR A		-59.054	5.604	82.282		15.94
0.02	001	221(11		33.034	0.004	02.202	1.00	20.01

FIGURE 3 DH

A	В	С	D	E		F		G		Н	I	J
5703	CE1	TYR	Δ	709	_ F	9.196		5.453	Я	1.179	1.00	16.02
5704	CZ	TYR		709		9.480		5.894		9.914	1.00	
5705	OH	TYR				9.627		5.670		8.773	1.00	
5706	CE2	TYR		709		9.626		1.525		9.768	1.00	
5707	CD2	TYR		709		9.502		3.699		0.871	1.00	
5708	C	TYR				7.340		2.570		5.042	1.00	
5709	Ö	TYR				7.962		1.669		5.575	1.00	
5710	N	THR				6.400		3.253		5.664	1.00	
5711	CA	THR	Α	710	-5	6.017	- 2	2.973	8	7.025	1.00	21.00
5712	CB	THR	Α	710	-5	5.062		1.049	8	7.479	1.00	21.32
5713	OG1	THR	Α	710	-5	3.905		1.050	8	6.629	1.00	23.26
5714	CG2	THR	Α	710	-5	4.539		3.759	8	8.852	1.00	20.93
5715	C	THR	Α	710	-5	7.225	- 2	2.988	8	7.934	1.00	21.30
5716	0	THR	Α	710	-5	7.931		3.991	8	7.991	1.00	21.23
5717	N	ASP				7.437	- 1	1.863	8	8.619		20.65
5718	CA	ASP			-5	8.451	- 1	1.681	8	9.660	1.00	21.12
5719	CB	ASP				8.255		2.651		0.843		20.66
5720	CG	ASP		711		6.972		2.389		1.609	1.00	
5721	OD1	ASP		711		6.480		3.311		2.335	1.00	
5722	OD2	ASP		711		6.362		1.295		1.533	1.00	
5723	C	ASP		711		9.887		1.669		9.176	1.00	
5724	0	ASP				0.828		1.591		9.969		21.25
5725	N	GLU				0.071		1.733		7.872		21.35
5726	CA	GLU		712		1.418		1.654		7.347		21.45
5727	CB	GLU				1.489		2.370		6.016		21.52
5728	CG	GLU				1.321		3.874		6.177	1.00	
5729	CD	GLU		712		2.496		4.500		6.923	1.00	
5730	OE1	GLU		712		2.284		5.209		7.913	1.00	
5731	OE2	GLU		712		3.650		1.274		6.528	1.00	
5732 5733	C	GLU		712 712		1.897		0.200		7.255	1.00	
5734	N	ASP				3.196		0.044		7.448		21.43
5735	CA	ASP				3.659		1.418		7.327		21.48
5736	CB	ASP		713		4.536		1.860		8.504		21.50
5737	CG	ASP		713		5.855		1.156		8.557		21.33
5738	OD1	ASP		713		6.584		1.385		9.538	1.00	
5739	OD2	ASP				6.263		3.376		7.685		22.10
5740	C	ASP		713		4.265		1.709		5.963	1.00	
5741	ō	ASP		713		3.952		1.033		5.013	1.00	
5742	N	HIS		714		5.111		2.719		5.858		22.81
5743	CA	HIS		714		5.653		3.106		4.562	1.00	
5744	CB	HIS		714		6.471		1.389		4.669	1.00	23.35
5745	CG	HIS	Α	714	-€	6.651	- 5	5.079	8	3.359	1.00	23.79
5746	ND1	HIS	Α	714	- 6	5.593	- 5	5.358	8	2.523	1.00	25.47
5747	CE1	HIS				6.042		.947		1.429		23.28
5748	NE2	HIS	Α	714	-6	7.349	- 6	5.067	8	1.533	1.00	23.63
5749	CD2	HIS				7.758		5.520		2.723	1.00	
5750	C	HIS		714		6.496		2.034		3.892	1.00	
5751	0	HIS		714		6.584		1.985		2.668	1.00	
5752	N	GLY		715		7.112		1.165		4.686		24.59
5753	CA	GLY	Α	715	-€	7.922	-(0.113	8	4.108	1.00	23.89

FIGURE 3 DI

A	В	С	D	Е	F		G	H		I	J
5754	С	GLY	Α :	715	-67.139		1.133	83.71	8	1.00	23.81
5755	0	GLY			-67.711		2.028	83.10	12		23.91
5756	N	ILE			-65.844		1.189	84.04			23.22
5757	CA	ILE			-65.056		2.404	83.82			23.24
5758	CB	ILE			-64.378		2.441	82.45			22.71
5759	CG1	ILE			-63.681		1.101	82.15			22.49
5760	CD1	ILE			-62.688		1.176	81.00			20.92
5761	CG2	ILE			-63.382		3.573	82.43		1.00	
5762	C	ILE			-65.990		3.594	83.98			24.33
5763	ŏ	ILE			-66.240		4.386	83.06			23.79
5764	N	ALA			-66.500		3.740	85.19			25.20
5765	CA	ALA			-67.605		4.648	85.31			26.42
5766	CB	ALA			-68.916		3.843	85.64			25.98
5767	C	ALA			-67.417		5.843	86.23		1.00	
5768	0	ALA			-68.328		6.653	86.34			28.31
5769	N	SER.			-66.283		5.967	86.92			26.76
5770	CA	SER .			-66.050		7.219	87.64			26.89
5771	CB	SER.			-64.600		7.418	88.00			25.63
5772	OG	SER			-64.179		6.429	88.90		1.00	31.72
5773	C	SER			-66.360		8.302	86.63			26.49
5774	0	SER			-66.133		8.132	85.43			26.34
5775	N	SER			-66.824		9.433	87.12			26.34
5776	CA	SER			-67.100		10.557	86.25			26.36
5777	CB	SER			-67.604		11.729	87.09		1.00	
5778	OG	SER.			-67.345		12.944	86.44		1.00	
5779	C	SER			-65.895		10.944	85.37			25.43
5780	0	SER			-66.030		11.113	84.18			24.62
5781	N	THR			-64.703		11.052	85.94			25.44
5782	CA	THR			-63.586		11.512	85.11			24.70
5783	CB	THR			-62.452		11.979	85.98		1.00	
5784	OG1	THR		720	-62.117		10.936	86.92			25.60
5785	CG2	THR			-62.931		13.171	86.83			24.75
5786	С	THR			-63.076		10.478	84.13			24.15
5787	0	THR			-62.635		10.828	83.04			23.77
5788	N	ALA.			-63.142		9.207	84.52			23.57
5789	CA	ALA.			-62.688		8.130	83.65			23.35
5790	CB	ALA .			-62.489		6.820	84.44			23.36
5791	C	ALA .	Α 7	721	-63.684		7.926	82.53	2	1.00	22.88
5792	0	ALA .	Α 7	721	-63.303		7.651	81.40	7	1.00	22.47
5793	N	HIS.	Α 7	722	-64.966		8.075	82.85	5		23.03
5794	CA	HIS.	Α .	722	-66.029		7.955	81.87	2	1.00	22.95
5795	CB	HIS.	Α .	722	-67.403		8.167	82.52	1	1.00	22.90
5796	CG	HIS.			-68.525		8.292	81.52	7	1.00	23.87
5797	ND1	HIS	Α 7	722	-68.953		7.237	80.74	7	1.00	24.64
5798	CE1	HIS	Α :	722	-69.931		7.639	79.95	6	1.00	24.39
5799	NE2	HIS	Α .	722	-70.157		8.917	80.19	7	1.00	26.13
5800	CD2	HIS	Α 7	722	-69.291		9.351	81.17	4	1.00	23.85
5801	С	HIS	Α 7	722	-65.794		9.003	80.79	6	1.00	23.22
5802	0	HIS	Α 7	722	-65.777		8.709	79.60	9	1.00	22.74
5803	N	GLN	Α 7	723	-65.563		10.238	81.22	1	1.00	23.31
5804	CA	GLN	Α 7	723	-65.297	- 1	11.297	80.25	2	1.00	23.21

FIGURE 3 DJ

5805 CB GIN A 723 -65.205 12.637 80.984 1.00 23.00 5806 CG GIN A 723 -66.493 12.899 81.716 1.00 24.49 5807 CD GIN A 723 -66.503 14.184 82.467 1.00 24.49 5808 OEI GIN A 723 -66.617 14.096 83.786 1.00 26.65 5810 C GIN A 723 -66.617 14.096 83.786 1.00 26.65 5811 O GIN A 723 -64.028 11.036 79.477 1.00 22.62 5812 N HIS A 724 -63.054 10.320 79.535 1.00 21.22 5814 CB HIS A 724 -60.666 9.589 80.594 1.00 20.37 5814 CB HIS A 724 -59.267 10.032 79.535 1.00 21.22 5816 NDI HIS A 724 -57.464 9.546 78.950 1.00 20.45 5818 NE2 HIS A 724 -57.469 10.09 80.879	A	В	C D	E	F	G	H	I	J
5806 CG GLIN A 723 -66.493 12.899 81.716 1.00 24.49 5807 CD GLIN A 723 -66.503 14.184 82.467 1.00 26.80 5809 OE1 GLN A 723 -66.617 14.108 83.862 1.00 31.36 5809 NE2 GLN A 723 -64.028 11.036 79.477 1.00 22.62 5811 O GLN A 723 -64.028 11.036 79.477 1.00 22.62 5812 N HIS A 724 -63.014 10.541 80.168 10.02 2.63 5813 CA HIS A 724 -61.728 10.320 79.535 1.00 21.62 5814 CB HIS A 724 -59.267 10.092 80.087 1.00 22.39 5815 CG HIS A 724 -57.464 9.546 79.550 1.00 26.52 5818 RE2 HIS A 724 -57.260 10.700 79.480 1.00 24.52 5818 RE2 HIS A 724 -57.466 0.9.546 79.950									
5807 CD GLN A 723 -66.503 14.184 82.467 1.00 26.80 5808 OBI GLN A 723 -66.617 14.096 83.866 1.00 26.57 5810 C GLN A 723 -66.617 14.096 83.786 1.00 26.57 5811 O GLN A 723 -63.055 11.294 78.274 1.00 23.70 5812 N HIS A 724 -61.728 10.541 80.168 1.00 21.60 5815 C HIS A 724 -61.728 10.392 80.594 1.00 23.70 5815 C HIS A 724 -59.267 10.092 80.097 1.00 22.35 5816 ND1 HIS A 724 -57.464 9.546 78.950 1.00 23.74 5817 CEI HIS A 724 -57.464 9.546 78.950 1.00 26.52 5819 CD2 HIS A 724 -57.260 10.740 79.880 10.00 26.53 5821 O HIS A 724 -61.723 9.421 78.455 1.00 20.45 </td <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>									
5808 OE1 GLN A 723 -66.444 15.263 81.862 1.00 31.36 5809 NE2 GLN A 723 -66.617 14.096 83.786 1.00 26.57 5810 C GLN A 723 -64.028 11.036 79.477 1.00 22.37 5811 N HIS A 724 -63.014 10.541 80.168 1.00 21.75 5814 CB HIS A 724 -60.728 10.320 79.535 1.00 21.22 5815 CG HIS A 724 -58.666 9.589 80.594 1.00 20.83 5816 NDI HIS A 724 -58.678 9.140 79.285 1.00 22.39 5818 RE2 HIS A 724 -57.464 9.546 78.950 1.00 26.52 5818 RE2 HIS A 724 -58.375 11.108 80.88 1.00 22.62 5818 RE2 HIS A 724 -61.779 9.241 78.455 1.00 20.97<									
5809 NEZ GLN A 723 -66.617 14.096 83.786 1.00 26.57 5810 C GLN A 723 -64.028 11.036 79.477 1.00 22.62 5811 O GLN A 723 -63.955 11.294 78.274 1.00 23.70 5812 N HIS A 724 -61.728 10.320 79.535 1.00 21.60 5814 CB HIS A 724 -61.728 10.320 79.535 1.00 21.60 5815 CG HIS A 724 -59.267 10.092 80.087 1.00 22.35 5816 ND1 HIS A 724 -58.678 9.140 79.285 1.00 23.74 5817 CEI HIS A 724 -57.260 10.740 79.880 1.00 26.52 5819 CD HIS A 724 -57.260 10.740 79.480 1.00 20.53 5821 O HIS A 724 -61.779 9.241 78.455 1.00 20.67 5822 O HIS A 724 -61.739 9.421 78.432									
5810 C GLN A 723 -64.028 11.036 79.477 1.00 22.62 5811 O GLN A 723 -63.028 555 11.294 78.274 1.00 23.70 5812 N HIS A 724 -63.014 10.541 80.168 1.00 21.60 5813 CB HIS A 724 -60.666 9.958 80.594 1.00 22.39 5815 CG HIS A 724 -58.678 9.140 79.285 1.00 22.39 5816 NDI HIS A 724 -58.678 9.140 79.285 1.00 23.74 5817 CEI HIS A 724 -57.464 9.546 78.950 1.00 26.52 5818 REZ HIS A 724 -57.464 9.546 78.950 1.00 26.52 5819 CD HIS A 724 -58.375 11.108 80.188 1.00 20.56 5820 C HIS A 724 -61.273 9.432 77.325 1.00 20.53 5821 O HIE A 725 -62.397 8.108 78.									
58112 N O GLN A 723 -63.955 11.294 78.274 1.00 21.70 5812 N HIS A 724 -63.951 11.294 78.274 1.00 21.60 5813 C HIS A 724 -61.728 10.320 79.555 1.00 21.62 5815 CG HIS A 724 -60.666 9.958 80.594 1.00 20.83 5816 ND1 HIS A 724 -59.267 10.092 80.087 1.00 22.39 5817 CEI HIS A 724 -57.746 9.546 78.950 1.00 26.23 5818 DCD HIS A 724 -57.746 10.740 79.880 1.00 26.52 5819 CDZ HIS A 724 -57.260 10.740 79.480 1.00 26.52 5821 O HIS A 724 -58.375 11.108 80.188 11.00 20.63 5822 O HIS A 724 -61.273 9.432 77.325 1.00 20.63 5823 CA LIE A 725 -62.397 8.108 78.755 1.00 20.63 5823 CA LIE A 725 -62.431 70.29 77.842									
5812 N HIS A 724 -63.014 10.541 80.68 1.00 21.60 5813 CA HIS A 724 -61.728 10.320 79.535 1.00 21.22 5816 CB HIS A 724 -60.666 9.958 80.594 1.00 20.23 5816 NDI HIS A 724 -58.678 9.140 79.285 1.00 22.39 5817 CE1 HIS A 724 -57.464 9.546 78.950 1.00 26.52 5818 REZ HIS A 724 -57.464 9.546 79.480 1.00 26.52 5819 CD HIS A 724 -57.766 10.740 79.480 1.00 24.52 5820 C HIS A 724 -61.779 9.241 78.432 1.00 20.62 5821 O HIS A 724 -61.779 9.432 77.732 1.00 20.53 5820 C HIE A 725 -62.876 5.676 78.432 1.00 20.53									
5813 CA HIS A 724 -61.728 10.320 79.555 1.00 21.22 5814 CB HIS A 724 -60.666 9.958 80.594 1.00 20.83 5815 CG HIS A 724 -59.267 10.092 80.687 1.00 22.39 5816 NDI HIS A 724 -57.464 9.546 78.955 1.00 26.37 5818 NE2 HIS A 724 -57.260 10.700 79.480 1.00 24.52 5819 CDZ HIS A 724 -58.375 11.108 80.188 1.00 22.65 5821 O HIS A 724 -61.779 9.431 78.455 1.00 20.97 5822 N LIE A 725 -62.397 8.108 78.755 1.00 20.97 5823 CA LIE A 725 -62.431 70.25 77.83 1.00 20.64 5825 CGI LIE A 725 -63.234 3.188 77.884 1.00 20.65									
5814 CB HIS A 724 -60.666 9.958 80.594 1.00 20.83 5815 CB HIS A 724 -59.667 10.092 80.087 1.00 20.83 5816 NDI HIS A 724 -58.678 9.140 79.285 1.00 23.74 5818 REZ HIS A 724 -57.460 10.740 79.480 1.00 24.52 5818 REZ HIS A 724 -57.260 10.740 79.480 1.00 24.52 5820 C HIS A 724 -61.779 9.241 78.481 1.00 20.56 5821 O HIS A 724 -61.779 9.432 77.325 1.00 20.74 5821 O HIE A 725 -62.876 5.676 78.732 71.00 20.56 5822 C ILE A 725 -62.876 5.676 78.432 77.025 10.00 20.56 5824 CB ILE A 725 -62.876 5.676 77.402 78.412 1.00 20.95 5826 CBI <									
5815 CG HIS A 724 -59.267 10.092 80.087 1.00 22.39 5816 NDI HIS A 724 -58.678 9.100 79.285 1.00 23.74 5817 CEI HIS A 724 -57.464 9.546 78.950 1.00 26.52 5818 NEZ HIS A 724 -58.375 11.108 80.188 1.00 24.52 5820 C HIS A 724 -61.779 9.241 78.445 1.00 20.97 5821 O HIS A 724 -61.779 9.241 78.445 1.00 20.97 5822 N LLE A 725 -62.397 8.108 78.755 1.00 20.53 5823 CA LLE A 725 -62.431 7.025 77.783 1.00 20.64 5825 CGI LLE A 725 -62.876 5.676 78.432 1.00 20.96 5827 CGZ LLE A 725 -63.234 3.188 77.884 1.00 20.98 5829 C LLE A 725 -63.234 3.188 77.842 <th< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></th<>									
5816 ND1 HIS A 724 -58.678 9.140 79.285 1.00 23.74 5817 CEI HIS A 724 -57.664 9.566 78.950 1.00 26.52 5818 NEZ HIS A 724 -57.260 10.740 79.480 1.00 24.52 5810 CD2 HIS A 724 -61.779 9.241 78.480 1.00 20.52 5821 O HIS A 724 -61.779 9.241 78.435 1.00 20.52 5822 N ILE A 725 -62.397 8.108 78.732 1.00 20.147 5824 CB ILE A 725 -62.837 70.25 77.783 1.00 20.56 5825 CGI ILE A 725 -62.876 5.676 78.432 1.00 20.65 5826 CDI ILE A 725 -62.653 4.516 77.443 1.00 20.06 5827 CG2 ILE A 725 -62.653 4.516 77.443 1.00 20.08 5829 C ILE A 725 -62.681 7.227 79.037									
5817 CE1 HIS A 724 -57.464 9.546 78.950 1.00 26.52 5818 NE2 HIS A 724 -57.260 10.740 79.480 1.00 24.52 5819 CD2 HIS A 724 -58.375 11.108 80.188 1.00 22.62 5820 C HIS A 724 -61.779 9.421 78.445 1.00 20.26 5821 O HIS A 724 -61.273 9.432 77.325 1.00 20.53 5823 CA LILE A 725 -62.431 7.025 77.783 1.00 20.64 5825 CB LILE A 725 -62.653 4.516 77.443 1.00 20.64 5826 CD1 LILE A 725 -63.234 3.188 77.884 1.00 20.64 5827 CG2 LILE A 725 -63.197 7.402 76.512 1.00 20.84 5829 C LILE A 725 -63.197 7.402 76.512 1.00 20.87 5831 CA TYR A 726 -66.165 8.367 75.392									
5818 NE2 HIS A 724 -57.260 10.740 79.480 1.00 22.4.52 5819 CD HIS A 724 -58.755 11.108 80.188 1.00 22.62 5820 C HIS A 724 -61.779 9.241 78.445 1.00 20.97 5821 O HIS A 724 -61.779 9.241 78.445 1.00 20.97 5822 N ILE A 725 -62.397 8.108 78.755 1.00 20.56 5824 CB ILE A 725 -62.431 7.025 77.783 1.00 20.56 5826 CGI ILE A 725 -62.631 4.516 77.443 1.00 20.06 5826 CDI ILE A 725 -62.653 3.188 77.841 1.00 20.06 5827 CC2 ILE A 725 -62.651 3.740 7.503 1.00 20.06 5826 CDI ILE A 725 -63.197 7.402 76.512 1.00 20.09 5822 C ILE A 725 -64.318 7.977 7.667 <td< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td<>									
5819 CD2 CD2 HIS A 724 -58.375 11.108 80.188 1.00 22.62 62.62 5820 C C HIS A 724 -61.273 9.432 778.325 1.00 20.97 5821 O HIE A 725 -62.397 9.432 778.325 1.00 20.53 5823 CA ILE A 725 -62.397 9.432 778.325 1.00 20.53 5824 CB ILE A 725 -62.431 7.025 777.783 1.00 20.64 5825 CG1 ILE A 725 -62.676 5.676 77.443 1.00 20.64 5827 CG2 ILE A 725 -63.234 3.188 77.884 1.00 20.64 5828 CC ILE A 725 -63.266 57.740 79.037 1.00 20.08 5829 C ILE A 725 -63.197 7.402 75.512 1.00 20.84 5831 CA TYR A 726 -64.388 7.977 75.667 1.00 20.87 5832 CB TYR A 726 -66.165 8.387 75.942 1.00 21.09 5831 CA TYR A 726 -67.499 7.551									
5820 C HIS A 724 -61.779 9.241 78.445 1.00 20.97 5821 O HIS A 724 -61.773 9.241 78.445 1.00 20.97 5822 N ILE A 725 -62.397 8.108 77.7825 1.00 20.56 5823 CA ILE A 725 -62.836 7.055 77.783 1.00 20.56 5825 CG1 ILE A 725 -62.831 3.188 77.843 1.00 20.05 5826 CD1 ILE A 725 -62.653 3.1516 77.443 1.00 20.06 5828 CC ILE A 725 -63.234 3.188 77.881 1.00 20.09 5828 C ILE A 725 -64.305 5.762 79.307 7.00 20.98 5831 CA TYR A 726 -65.165 8.337 75.392 1.00 21.09 5831 CA<									
5821 O HIS A 724 -61.273 9.432 77.325 1.00 20.147 5822 N ILE A 725 -62.397 8.108 78.755 1.00 20.53 5824 CB ILE A 725 -62.431 7.025 77.783 1.00 20.56 5825 CB1 ILE A 725 -62.431 7.025 77.783 1.00 20.56 5826 CB1 ILE A 725 -62.653 4.516 77.443 1.00 20.06 5827 CG2 ILE A 725 -63.234 3.188 77.884 1.00 20.08 5828 C ILE A 725 -64.305 5.762 79.37 1.00 20.08 5829 C ILE A 725 -63.197 7.402 75.512 1.00 20.08 5831 CD ILE A 725 -63.498 7.977 76.667 1.00 20.08 5831 CD TYR A 726 -65.165 8.387 75.492 1.00 21.09 5832 CB TYR A 726 -66.601 8.762 75.872 1.0									
5822 N ILE A 725 -62.397 8.108 78.755 1.00 20.53 5824 CB ILE A 725 -62.431 7.025 77.783 1.00 20.56 5824 CB ILE A 725 -62.876 5.676 78.432 1.00 20.66 5826 CD1 ILE A 725 -62.853 4.516 77.443 1.00 20.66 5827 CG2 ILE A 725 -63.234 3.188 77.884 1.00 20.09 5828 C ILE A 725 -63.197 7.402 76.512 1.00 20.98 5828 C ILE A 725 -63.197 7.402 76.590 1.00 20.98 5830 N TYR A 726 -64.308 7.977 76.667 1.00 20.97 5831 CA TYR A 726 -65.165 8.387 75.492 1.00 20.97 5834 CDI TYR A 726 -67.449 7.551 76.078 1.00 19.03 5835 CEI TYR A 726 -67.449 7.551 76.078 1.									
5823 CA LILE A 725 -62.431 7.025 77.783 1.00 20.56 5824 CB LILE A 725 -62.653 4.516 78.432 1.00 20.66 5825 CG1 LILE A 725 -62.653 4.516 77.443 1.00 20.66 5826 CD1 LILE A 725 -64.305 5.762 79.037 1.00 20.06 5828 C LILE A 725 -64.305 5.762 79.037 1.00 20.08 5829 O LILE A 725 -62.681 7.242 75.390 100 20.98 5831 CA TYR A 726 -64.388 7.977 76.667 1.00 20.98 5832 CB TYR A 726 -65.610 8.797 75.902 1.00 21.09 5831 CA TYR A 726 -66.615 8.387 75.92 1.00 21.09 5832 CB TYR A 726 -67.449 7.551 76.078 1.00 21.09 5833 CB TYR A 726 -67.720 7.098 77.347 1.00 19.03 <t< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></t<>									
5824 CB CB LLE A 725 -62.876 5.676 78.432 1.00 20.64 5825 CG1 LLE A 725 -62.876 5.676 77.443 1.00 20.64 5826 CD1 LLE A 725 -63.234 3.188 77.884 1.00 20.09 5828 CD LLE A 725 -63.234 3.188 77.9037 1.00 20.09 5828 CD LLE A 725 -63.197 7.402 75.512 1.00 20.84 5828 CD LLE A 725 -62.681 7.234 75.390 1.00 20.98 5830 ND TYR A 726 -64.388 7.977 76.667 1.00 20.87 5831 CA TYR A 726 -66.601 8.782 75.892 1.00 20.87 5834 CDI TYR A 726 -67.449 7.551 76.078 1.00 19.03 5835 CEI TYR A 726 -67.449 7.551 76.078 1.00 19.03 5836 CZ TYR A 726 -67.449 7.551 76.078 1.00 19.61 5837 OH TYR A 726 -67.452 5.972 77.540									
5825 CG1 ILE A 725 -62.653 4.516 77.443 1.00 20.06 5826 CD1 ILE A 725 -63.234 3.188 77.884 1.00 18.35 5827 CG2 ILE A 725 -64.305 5.762 79.037 1.00 20.08 5828 C ILE A 725 -62.681 7.244 75.390 1.00 20.08 5830 N TYR A 726 -62.681 7.234 75.390 1.00 20.08 5831 CA TYR A 726 -65.165 8.387 75.492 1.00 21.09 5832 CB TYR A 726 -66.615 8.387 75.492 1.00 21.09 5833 CB TYR A 726 -66.601 8.782 75.972 1.00 21.09 5834 CDI TYR A 726 -67.720 7.098 77.347 1.00 18.31 5835 CEI TYR A 726 -68.452 5.972 77.540 1.00 20.3 5836 CZ TYR A 726 -68.452 5.972 77.540									
5826 CDI ILE A 725 -63.234 3.188 77.884 1.00 18.35 5827 CCZ ILE A 725 -64.305 5.762 79.037 1.00 20.09 5828 C ILE A 725 -64.3197 7.402 76.512 1.00 20.08 5830 N TYR A 726 -64.388 7.977 76.667 1.00 20.08 5831 CA TYR A 726 -66.388 7.977 76.667 1.00 20.08 5832 CB TYR A 726 -66.160 8.782 75.872 1.00 20.08 5834 CDI TYR A 726 -67.494 7.551 76.078 1.00 10.0 5835 CBI TYR A 726 -67.497 7.551 76.078 1.00 10.0 5834 CDI TYR A 726 -67.497 7.551 76.078 1.00 10.0 5836 CZ TYR A 726 -68.452 5.972 77.540 1.00 20.53 5836 CZ TYR A 726 -68.928 5.264 76.456 1									
5827 CG2 CG2 ILE A 725 -64.305 5.762 79.037 1.00 20.09 5828 C O ILE A 725 -63.197 7.402 76.512 1.00 20.98 5829 O ILE A 725 -62.681 7.234 75.390 1.00 20.98 5830 N TYR A 726 -64.388 7.977 76.667 1.00 20.97 5831 CA TYR A 726 -65.165 8.387 75.492 1.00 21.00 5833 CB TYR A 726 -67.049 7.551 76.078 1.00 19.03 5834 CD TYR A 726 -67.720 70.98 77.347 1.00 19.03 5835 CEI TYR A 726 -67.720 70.98 77.347 1.00 19.03 5836 CZ TYR A 726 -68.928 5.264 76.465 1.00 19.61 5837 CB TYR A 726 -68.928 5.264 76.465 1.00 19.61 5838 CEZ TYR A 726 -68.928 5.264 76.465 1.00 19.61 5839 CEZ TYR A 726 -68.674 5.678 75.180 100.17.62 5840 C TYR A 726 -64.545 9.461 74.699 100.17.61									
5828 C ILE A 725 -63.197 7. 402 76.512 1.00 20.84 5829 O ILE A 725 -62.681 7.234 75.390 1.00 20.98 5830 N TYR A 726 -64.388 7.977 76.667 1.00 20.98 5831 CA TYR A 726 -66.165 8.782 75.872 1.00 21.00 5832 CB TYR A 726 -66.601 8.782 75.872 1.00 21.09 5834 CDI TYR A 726 -67.720 7.058 77.347 1.00 18.31 5835 CEI TYR A 726 -67.720 7.059 77.540 1.00 18.31 5836 CZ TYR A 726 -68.452 5.972 77.540 1.00 18.31 5837 CB TYR A 726 -68.928 5.264 76.465 1.00 20.53 5838 CEZ TYR A 726 -69.635 4.121 76.725 1.00 22.52 5838 CEZ TYR A 726 -67.905 6.809 74.999									
5829 O LLE A 725 -62.681 7.234 75.390 1.00 20.98 5830 N TYR A 726 -64.388 7.977 76.667 1.00 20.87 5831 CA TYR A 726 -65.165 8.387 75.492 1.00 21.09 5832 CB TYR A 726 -66.601 8.782 75.872 1.00 21.09 5834 CD1 TYR A 726 -67.449 7.551 76.767 1.00 19.03 5835 CE1 TYR A 726 -68.928 5.264 77.6455 1.00 20.53 5836 CZ TYR A 726 -68.928 5.264 76.455 1.00 19.61 5837 OH TYR A 726 -68.928 5.264 76.455 1.00 19.61 5838 CE2 TYR A 726 -68.928 5.264 76.455 1.00 2.55 5837 OH TYR A 726 -68.938 5.264 76.455 1.00 21.37 5840 C TYR A 726 -67.905 6.809 74.999 1.									
5830 N TYR A 726 -64.388 7.977 76.667 1.00 20.07 5831 CA TYR A 726 -65.165 8.387 75.492 1.00 21.00 5832 CB TYR A 726 -66.601 8.782 75.872 1.00 21.09 5833 CG TYR A 726 -67.449 7.551 76.078 1.00 19.03 5835 CE1 TYR A 726 -67.429 7.098 77.347 1.00 18.31 5836 CE TYR A 726 -68.452 5.972 77.540 1.00 20.53 5837 CB TYR A 726 -68.452 5.972 77.540 1.00 20.53 5838 CE2 TYR A 726 -68.674 5.678 75.180 1.00 20.53 5830 CE TYR A 726 -68.674 5.678 75.180 1.00 17.61 5838 CE2 TYR A 726 -67.905 68.09 74.999 1.00 17.62 5840 C TYR A 726 -67.905 68.80 74.999 1									
5831 CA TYR A 726 -65.165 8.387 75.492 1.00 21.00 5832 CB TYR A 726 -66.601 8.782 75.872 1.00 21.09 5833 CB TYR A 726 -67.449 7.551 76.078 1.00 21.09 5835 CBI TYR A 726 -68.452 5.972 77.540 1.00 20.53 5836 CZ TYR A 726 -68.928 5.264 76.655 1.00 20.53 5837 OH TYR A 726 -68.938 5.264 76.655 1.00 20.53 5839 CDZ TYR A 726 -68.674 5.678 75.800 1.00 20.53 5839 CDZ TYR A 726 -68.674 5.678 75.800 1.00 21.76 5840 CD TYR A 726 -64.544 9.461 74.699 1.00 17.61 5841 C TYR A 726 -64.544 9.481 73.474 1.00 21.37 5842 N THR A 727 -62.950 11.345 74.681									
5832 CB TYR A 726 -66.601 8.782 75.872 1.00 21.09 5833 CD TYR A 726 -67.449 7.551 76.078 1.00 19.03 5834 CD1 TYR A 726 -67.720 7.098 77.347 1.00 18.31 5835 CE1 TYR A 726 -68.452 5.272 77.540 1.00 20.53 5837 OH TYR A 726 -68.928 5.264 76.465 1.00 22.52 5838 CE2 TYR A 726 -68.674 5.678 75.180 1.00 17.61 5840 C TYR A 726 -67.905 6.809 74.999 1.00 17.62 5841 O TYR A 726 -64.534 9.481 73.474 1.00 21.37 5840 C TYR A 726 -64.534 9.481 73.474 1.00 21.81 5841 O TYR A 726 -64.534 9.483 73.474 1.00 21.83 5842 N THR A 727 -62.350 11.345 74.681 1.0									
5833 CG TYR A 726 -67.449 7.551 76.078 1.00 19.03 5834 CDI TYR A 726 -67.720 7.098 77.347 1.00 18.31 5835 CEI TYR A 726 -68.452 5.972 77.540 1.00 20.53 5837 CH TYR A 726 -68.452 5.972 77.540 1.00 20.53 5838 CEZ TYR A 726 -68.635 4.121 76.725 1.00 22.52 5839 CDZ TYR A 726 -68.674 5.678 75.180 1.00 17.61 5841 C TYR A 726 -64.454 9.461 74.999 1.00 17.62 5842 N TYR A 726 -64.454 9.461 74.996 1.00 21.37 5841 O TYR A 726 -64.534 9.483 73.474 1.00 21.81 5842 N THR A 727 -62.356 12.384 75.696 10.00 21.83 5843 CA THR A 727 -62.358 12.384 75.696 <td< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td<>									
5834 CDI TYR A 726 -67.720 7.098 77.347 1.00 18.31 5835 CEI TYR A 726 -68.452 5.972 77.540 1.00 20.53 5836 CZ TYR A 726 -68.452 5.924 76.465 1.00 19.61 5837 OH TYR A 726 -68.674 5.678 75.180 1.00 17.62 5838 CEZ TYR A 726 -68.674 5.678 75.180 1.00 17.62 5840 C TYR A 726 -64.954 9.461 74.999 1.00 17.62 5841 O TYR A 726 -64.454 9.461 74.999 1.00 21.37 5841 O TYR A 726 -64.454 9.461 74.999 1.00 21.81 5842 N THR A 727 -62.950 11.345 74.681 1.00 21.81 5845 CB THR A 727 -62.950 11.345 74.681 1.00 21.83 5846 CB THR A 727 -61.813 1.04 1.393 1.0									
5835 CB1 TYR A 726 -68.452 5.972 77.540 1.00 20.53 5836 CZ TYR A 726 -68.928 5.264 76.465 1.00 19.61 5837 OH TYR A 726 -69.635 4.121 76.725 1.00 22.52 5839 CD2 TYR A 726 -67.905 6.809 74.999 1.00 17.61 5841 O TYR A 726 -64.454 9.461 74.999 1.00 21.37 5842 N TYR A 726 -64.454 9.483 73.474 1.00 21.83 5843 CA TYR A 726 -64.454 9.483 73.40 1.00 21.83 5843 CA THR A 727 -62.950 11.345 74.661 1.00 22.89 5845 CB THR A 727 -62.358 12.384 75.669 1.00 23.07 5845 CG1 THR A 727 -62.358 12.384 75.699 1.00 21.83 5846 CG2 THR A 727 -61.481 13.403 74.937 <									
5836 CZ TYR A 726 -68.928 5.264 76.465 1.00 19.61 5837 OH TYR A 726 -69.635 4.121 76.725 1.00 22.52 5838 CEZ TYR A 726 -68.674 5.678 75.180 1.00 17.61 5839 CDZ TYR A 726 -64.634 9.461 74.999 1.00 17.82 5840 C TYR A 726 -64.454 9.461 74.999 1.00 21.37 5841 O TYR A 726 -64.534 9.483 73.474 1.00 21.81 5842 N THR A 727 -62.950 11.345 75.689 1.00 21.37 5843 CA THR A 727 -62.950 11.345 75.669 1.00 23.65 5845 CGI THR A 727 -61.401 13.181 76.228 1.00 23.65 5847 C THR A 727 -61.481 13.403 74.937 1.00 21.85 5849 N HIS A 728 -61.081 10.899 72.768 <td< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td<>									
5837 OH TYR A 726 -69.635 4.121 76.725 1.00 22.52 5838 CEZ TYR A 726 -68.674 5.678 75.180 1.00 17.61 5840 C TYR A 726 -64.454 9.461 74.999 1.00 17.82 5841 O TYR A 726 -64.454 9.461 74.999 1.00 21.87 5842 N THR A 727 -62.750 10.344 75.384 1.00 21.83 5843 CA THR A 727 -62.950 11.345 74.681 1.00 22.30 5845 OE THR A 727 -62.358 12.384 75.696 1.00 23.07 5845 OE THR A 727 -61.481 13.403 74.937 1.00 21.85 5846 CG2 THR A 727 -61.481 13.403 74.937 1.00 21.85 5847 C THR A 727 -61.610 10.899 72.768 1.00 21.80 5849 N HIS A 728 -61.610 10.899 72.768 <t< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></t<>									
5838 CB2 TYR A 726 -68.674 5.678 75.180 1.00 17.61 5840 CD2 TYR A 726 -67.905 6.89 7 74.999 1.00 17.61 5841 C TYR A 726 -64.454 9.461 74.696 1.00 21.37 5842 N TYR A 726 -64.534 9.483 73.347 1.00 21.81 5842 N THR A 727 -63.740 10.344 75.384 1.00 21.83 5844 CB THR A 727 -62.950 11.345 75.661 1.00 22.39 5845 OG1 THR A 727 -63.404 13.181 75.628 1.00 23.65 5846 CG2 THR A 727 -61.481 13.403 74.937 1.00 23.65 5847 C THR A 727 -61.481 13.403 74.937 1.00 21.85 5848 O THR A 727 -61.823 10.644 73.941 1.00 21.85 5849 N HIS A 728 -61.088 9.762 74.623 <									
5839 CD2 TYR A 726 -67.905 6.809 74.999 1.00 17.82 5840 C TYR A 726 -64.454 9.461 74.696 1.00 21.37 5841 O TYR A 726 -64.534 9.483 73.474 1.00 21.81 5843 CA THR A 727 -62.950 11.345 74.681 1.00 22.39 5845 CB THR A 727 -62.358 12.384 75.669 1.00 23.07 5846 CG2 THR A 727 -61.404 13.181 76.29 1.00 21.81 5847 C THR A 727 -61.404 13.181 76.29 1.00 21.81 5848 O THR A 727 -61.404 13.181 76.29 1.00 21.80 5847 C THR A 727 -61.481 13.403 74.937 1.00 21.85 5849 N HIS A 728 -61.610 10.899 72.768 1.00 22.18 5851 CB HIS A 728 -60.003 9.012 73.950 1.									
5840 C TYR A 726 -64.454 9.461 74.696 1.00 21.37 5841 O TYR A 726 -64.534 9.483 73.474 1.00 21.81 5842 N THR A 727 -63.740 10.344 75.384 1.00 21.83 5843 CA THR A 727 -62.950 11.345 74.681 1.00 22.39 5845 OG1 THR A 727 -63.404 13.181 75.629 1.00 23.65 5846 CG2 THR A 727 -61.481 13.403 74.937 1.00 21.85 5849 O THR A 727 -61.610 10.899 72.768 1.00 21.83 5851 CA HIS A 728 -61.088 9.022 74.623 1.00 22.80 5851 CB HIS A 728 -59.321 8.026 74.920 1.00 22.18 5852 CG HIS A 728 -57.937 7.619 74.486 1.00 21.56 5853 CI HIS A 728 -56.913 8.526 74.327 <td< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td<>									
5841 0 TYR A 726 -64.534 9.483 73.74 1.00 21.81 5842 N THR A 727 -63.740 10.344 75.384 1.00 21.83 5843 CA THR A 727 -62.950 11.345 74.681 1.00 22.39 5845 CB THR A 727 -63.404 13.181 76.228 1.00 23.67 5846 CG2 THR A 727 -61.481 13.403 74.937 1.00 21.85 5847 C THR A 727 -61.610 10.899 72.768 1.00 21.83 5849 N HIS A 728 -61.610 10.899 72.768 1.00 22.18 5851 CB HIS A 728 -59.321 8.026 74.910 1.00 21.80 5851 CB HIS A 728 -56.913 8.526 74.327 1.00 21.58 5853 CB HIS A 728 -56.913 8.526 74.910 1.00 21.80 5855 CB HIS A 728 -56.913 8.526 74.327									
5842 N THR A 727 -63.740 10.344 75.384 1.00 21.83 5843 CA THR A 727 -62.950 11.345 74.681 1.00 22.39 5845 CB THR A 727 -62.358 12.384 75.669 1.00 23.05 5846 CC THR A 727 -63.404 13.181 76.228 1.00 23.65 5847 C THR A 727 -61.823 10.644 73.941 1.00 21.83 5849 N THR A 727 -61.610 10.899 72.768 1.00 21.83 5851 CB HIS A 728 -61.088 9.762 74.623 1.00 21.80 5851 CB HIS A 728 -59.321 8.026 74.910 1.00 21.80 5852 CG HIS A 728 -57.937 7.619 74.486 1.00 21.56 5853 RDI HIS A 728 -56.913 8.526 74.327 1.00 21.56 5854 CEI HIS A 728 -55.815 7.887 73.959 <									
5843 CA THR A 727 -62.950 11.345 74.681 1.00 22.39 5844 CB PHR A 727 -62.358 12.384 75.669 1.00 23.07 5845 OG1 THR A 727 -63.404 13.181 76.228 1.00 23.65 5847 C THR A 727 -61.481 13.403 74.937 1.00 21.85 5849 N HIS A 727 -61.610 10.899 72.768 1.00 22.198 5850 CA HIS A 728 -60.003 9.012 73.550 1.00 21.80 5851 CB HIS A 728 -59.321 8.026 74.910 1.00 21.58 5852 CG HIS A 728 -57.937 7.619 74.486 1.00 21.58 5854 CI HIS A 728 -56.913 8.526 74.327 1.00 21.82 5854 CI HIS A 728 -55.815 7.87 73.99 10.00 21.58									
5844 CB THR A 727 -62.358 12.384 75.669 1.00 23.07 5846 GCZ THR A 727 -61.481 13.403 74.937 1.00 23.65 5847 C THR A 727 -61.481 13.403 74.937 1.00 21.83 5848 C THR A 727 -61.610 10.899 72.768 1.00 21.83 5849 N HIS A 728 -61.610 9.762 74.623 1.00 21.80 5851 CB HIS A 728 -60.003 9.012 73.950 1.00 21.80 5852 CG HIS A 728 -59.321 8.026 74.910 1.00 21.56 5853 NDI HIS A 728 -56.913 8.526 74.910 1.00 21.56 5853 EC HIS A 728 -55.815 7.887 74.327 1.00 21.56 5854 EL HIS A 728 -55.815 7.887 74.327 1.00 21.58									
5845 OCI THR A 727 -63.404 13.181 76.228 1.00 23.65 5846 CG2 THR A 727 -61.481 13.403 74.937 1.00 21.85 5848 C THR A 727 -61.610 10.899 72.768 1.00 21.83 5849 N HIS A 728 -61.610 10.899 74.622 1.00 22.18 5851 CB HIS A 728 -60.003 9.012 73.950 1.00 21.80 5851 CB HIS A 728 -59.321 8.026 74.910 1.00 21.56 5852 CG HIS A 728 -57.937 7.619 74.486 1.00 21.82 5854 CH HIS A 728 -55.815 78.87 73.595 1.00 21.82 5854 CB HIS A 728 -55.815 78.87 73.957 1.00 21.82									
5846 CG2 THR A 727 -61.481 13.403 74.937 1.00 21.85 5847 C THR A 727 -61.823 10.644 73.941 1.00 21.85 5848 O THR A 727 -61.610 10.899 72.768 1.00 21.98 5850 CA HIS A 728 -60.003 9.012 73.950 1.00 22.21 5851 CB HIS A 728 -59.321 8.026 74.910 1.00 21.80 5852 CG HIS A 728 -56.913 8.526 74.327 1.00 21.82 5853 ND1 HIS A 728 -56.913 8.526 74.327 1.00 21.82 5854 CEI HIS A 728 -56.913 8.526 74.327 1.00 21.82									
5847 C THR A 727 -61.823 10.644 73.941 1.00 21.83 5848 O THR A 727 -61.610 10.899 72.768 1.00 21.98 5859 CA HIS A 728 -61.088 9.762 74.623 1.00 22.18 5851 CB HIS A 728 -60.003 9.012 73.950 1.00 21.80 5852 CG HIS A 728 -57.937 7.619 74.486 1.00 21.56 5853 NDI HIS A 728 -56.913 8.526 74.327 1.00 21.82 5854 CEI HIS A 728 -55.815 7.887 73.959 1.00 23.13									
5848 0 THR A 727 -61.610 10.899 72.768 1.00 22.198 5849 N HIS A 728 -61.088 9.762 74.623 1.00 22.21 5850 CA HIS A 728 -60.003 9.012 73.950 1.00 21.80 5851 CB HIS A 728 -59.321 8.026 74.910 1.00 21.58 5852 CG HIS A 728 -56.913 8.526 74.486 1.00 21.82 5854 CB HIS A 728 -56.913 8.526 74.327 1.00 21.82 5854 CB HIS A 728 -55.918 7.887 73.959 1.00 23.18									
5849 N HIS A 728 -61.088 9.762 74.623 1.00 22.21 5850 CA HIS A 728 -60.003 9.012 73.950 1.00 21.80 5851 CB HIS A 728 -59.321 8.026 74.910 1.00 21.58 5852 CG HIS A 728 -57.937 7.619 74.486 1.00 21.56 5853 NDI HIS A 728 -56.913 8.526 74.327 1.00 21.82 5854 CEI HIS A 728 -55.815 7.887 73.959 1.00 23.13									
5850 CA HIS A 728 -60.003 9.012 73.950 1.00 21.80 5851 CB HIS A 728 -59.321 8.026 74.910 1.00 21.58 5852 CG HIS A 728 -57.937 7.619 74.486 1.00 21.58 5853 ND1 HIS A 728 -56.913 8.526 74.327 1.00 21.82 5854 CEI HIS A 728 -55.815 7.887 73.959 1.00 23.13									
5851 CB HIS A 728 -59.321 8.026 74.910 1.00 21.58 5852 CG HIS A 728 -57.937 7.619 74.486 1.00 21.56 5853 ND HIS A 728 -56.913 8.526 74.327 1.00 21.82 5854 CEI HIS A 728 -55.815 7.887 73.959 1.00 23.13									
5852 CG HIS A 728 -57,937 7.619 74.486 1.00 21,56 5853 ND1 HIS A 728 -56.913 8.526 74.327 1.00 21.82 5854 CE1 HIS A 728 -55.815 7.887 73.959 1.00 23.13									
5853 ND1 HIS A 728 -56.913 8.526 74.327 1.00 21.82 5854 CE1 HIS A 728 -55.815 7.887 73.959 1.00 23.13									
5854 CE1 HIS A 728 -55.815 7.887 73.959 1.00 23.13									

FIGURE 3 DK

A	В	C D	E	F	G	H	I	J
5856	CD2	HIS A	728	-57.409	6.403	74.194	1.00	20.39
5857	C	HIS A	728	-60.517	8.229	72.749	1.00	21.57
5858	0	HIS A	728	-59.893	8.228	71.709	1.00	22.29
5859	N	MET A	729	-61.631	7.521	72.906	1.00	21.73
5860	CA	MET A	729	-62.177	6.730	71.804	1.00	22.18
5861	CB	MET A	729	-63.320	5.852	72.290	1.00	22.56
5862	CG	MET A	729	-62.924	4.760	73.272	1.00	23.17
5863	SD	MET A	729	-64.347	3.780	73.620	1.00	28.13
5864	CE	MET A	729	-63.749	2.731	74.810	1.00	30.85
5865	C	MET A	729	-62.676	7.610	70.649	1.00	22.60
5866	0	MET A	729	-62.588	7.209	69.490	1.00	22.83
5867	N	SER A	730	-63.195	8.802	70.948	1.00	22.21
5868	CA	SER A	730	-63.641	9.683	69.861	1.00	22.68
5869	CB	SER A	730	-64.395	10.912	70.390	1.00	22.47
5870	OG	SER A	730	-65.460	10.524	71.251	1.00	
5871	C	SER A	730	-62.463	10.086	68.985	1.00	23.25
5872	0	SER A	730	-62.549	10.039	67.757	1.00	22.85
5873	N	HIS A	731	-61.348	10.449	69.615	1.00	24.04
5874	CA	HIS A	731	-60.145	10.818	68.863	1.00	24.99
5875	CB	HIS A	731	-58.973	11.158	69.803	1.00	25.06
5876	CG	HIS A	731	-59.135	12.454	70.530	1.00	27.51
5877	ND1	HIS A	731	-59.577	13.600	69.910	1.00	28.84
5878	CE1	HIS A	731	-59.617	14.585	70.791	1.00	30.70
5879	NE2	HIS A	731	-59.205	14.122	71.957	1.00	29.03
5880	CD2	HIS A	731	-58.894	12.792	71.821	1.00	28.48
5881	C	HIS A	731	-59.687	9.694	67.952	1.00	24.46
5882	0	HIS A	731	-59.246	9.921	66.828	1.00	24.53
5883	N	PHE A	732	-59.754	8.474 7.331	68.456	1.00	24.56
5884 5885	CA CB	PHE A	732 732	-59.244 -59.145	6.108	67.694 68.612	1.00	23.88
5886	CG	PHE A	732	-58.834	4.830	67.898	1.00	22.25
5887	CD1	PHE A	732	-57.509	4.452	67.657	1.00	21.45
5888	CE1	PHE A	732	-57.228	3.245	67.006	1.00	21.94
5889	CZ	PHE A	732	-58.271	2.414	66.588	1.00	18.68
5890	CE2	PHE A	732	-59.583	2.784	66.838	1.00	20.26
5891	CD2	PHE A	732	-59.861	3.985	67.481	1.00	18.97
5892	C	PHE A	732	-60.189	7.086	66.546	1.00	24.38
5893	ŏ	PHE A	732	-59.767	6.846	65.422	1.00	23.91
5894	N	ILE A	733	-61.480	7.172	66.845	1.00	25.50
5895	CA	ILE A	733	-62.511	6.993	65.840	1.00	27.16
5896	CB	ILE A	733	-63.917	7.023	66.460	1.00	26.69
5897	CG1	ILE A	733	-64.185	5.711	67.187	1.00	28.91
5898	CD1	ILE A	733	-64.089	4.489	66.265	1.00	27.10
5899	CG2	ILE A	733	-64.948	7.137	65.370	1.00	28.56
5900	C	ILE A	733	-62.388	8.018	64.719	1.00	27.71
5901	0	ILE A	733	-62.356	7.637	63.546	1.00	27.57
5902	N	LYS A	734	-62.306	9.298	65.054	1.00	28.63
5903	CA	LYS A	734	-62.162	10.276	63.981	1.00	30.59
5904	CB	LYS A	734	-62.542	11.695	64.392	1.00	31.04
5905	CG	LYS A	734	-62.810	11.899	65.853	1.00	32.63
5906	CD	LYS A	734	-63.776	13.051	66.071	1.00	34.40

FIGURE 3 DL

A	В	C D	E	F	G	H	I	J
5907	CE	LYS A		-63.253	14.336	65.441		36.19
5908	NZ	LYS A		-64.229	15.456	65.549	1.00	38.15
5909	С	LYS A		-60.805	10.206	63.284	1.00	31.10
5910	0	LYS A		-60.723	10.519	62.107	1.00	31.08
5911	N	GLN A		-59.755	9.775	63.982	1.00	31.91
5912	CA	GLN A		-58.454	9.590	63.332	1.00	33.34
5913	CB	GLN A		-57.369	9.179	64.333	1.00	33.56
5914	CG	GLN A		-56.025	8.750	63.691	1.00	37.28
5915	CD	GLN A		-56.024	7.323	63.086	1.00	42.41
5916	OE1	GLN A		-55.765	7.153	61.885	1.00	44.60
5917	NE2	GLN A		-56.289	6.296	63.918	1.00	43.33
5918	C	GLN A		-58.567	8.521	62.252	1.00	33.22
5919	0	GLN A		-58.120	8.721	61.128	1.00	33.15
5920	N	CYS A		-59.170	7.389	62.610	1.00	33.22
5921	CA	CYS A		-59.358	6.263	61.693	1.00	33.79
5922	CB	CYS A		-59.968	5.072	62.462	1.00	33.73
5923	SG	CYS A		-60.727	3.713	61.519	1.00	37.10
5924	C	CYS A		-60.219	6.635	60.476	1.00	33.58
5925	0	CYS A		-59.961	6.173	59.368	1.00	33.62
5926	N	PHE A		-61.224	7.477	60.704	1.00	33.49
5927	CA	PHE A		-62.175	7.913	59.679	1.00	33.66
5928	CB	PHE A		-63.575	8.112	60.294	1.00	32.87
5929	CG	PHE A		-64.301	6.823	60.608	1.00	31.36
5930	CD1	PHE A		-63.816	5.602	60.159	1.00	30.51
5931	CE1	PHE A		-64.499	4.414	60.429		28.51
5932	CZ	PHE A		-65.662	4.441	61.166		27.07
5933	CE2	PHE A		-66.154	5.651	61.625		28.45
5934	CD2	PHE A		-65.477	6.834	61.340		29.14
5935	C	PHE A		-61.737	9.201	58.963	1.00	34.35
5936	0	PHE A		-62.460	9.741	58.130	1.00	33.54
5937	N	SER A		-60.544	9.685	59.283	1.00	35.95
5938 5939	CA	SER A		-60.044 -59.792	10.916 10.712	58.672 57.171	1.00	37.76 37.83
5940	CB OG	SER A		-58.712	9.830	56.951	1.00	38.28
				-61.015			1.00	
5941 5942	C	SER A		-61.013	12.086 12.878	58.894 57.988	1.00	38.68
5942	O N	SER A		-61.568	12.070	60.100	1.00	40.18
5943	CA	LEU A		-62.470	13.246	60.482	1.00	41.75
5944	CB	LEU A		-63.629	12.697	61.306	1.00	41.75
5946	CG	LEU A		-64.564	11.738	60.567	1.00	40.93
5947	CD1	LEU A		-65.640	11.736	61.492	1.00	37.09
5948	CD2	LEU A		-65.168	12.452	59.354	1.00	41.52
5949	CDZ	LEU A		-61.706	14.237	61.331	1.00	43.20
5950	0	LEU A		-61.526	14.013	62.518		44.19
5951	N	PRO A		-61.229	15.315	60.726		44.19
5952	CA	PRO A		-60.459	16.341	61.441	1.00	
5952	CB	PRO A		-59.950	17.229	60.306		45.43
5954	CG	PRO A		-60.046	16.377	59.111	1.00	45.51
5955	CD	PRO A		-61.342	15.620	59.293	1.00	44.81
5956	C	PRO A		-61.297	17.178	62.414	1.00	
5957	o	PRO A		-62.340	16.718	62.884		46.86
2201	_	_ 1.00 11		02.010	_0.,10	52.004	1.00	-0.00

FIGURE 3 DM

A	В	С	D E	F	G	H	I	J
5958	07	NAG	A2311	-101.706	-14.580	110.320	1.00	67.11
5959	C7		A2311	-100.699		110.433		65.56
5960	C8		A2311	-100.768		110.821		66.13
5961	N2		A2311		-14.405	110.302		63.69
5962	C2		A2311	-99.303	-15.797	109.931		62.14
5963	C1		A2311	-98.045		109.103		59.33
5964	C3		A2311		-16.705	111.144		62.19
5965	03		A2311	-100.505	-16.634	111.819	1.00	63.22
5966	C4		A2311	-99.012	-18.143	110.686		61.71
5967	04		A2311	-98.700		111.811		61.69
5968	C5		A2311	-97.897		109.645		61.35
			A2311	-98.061	-17.312	108.593		60.20
5969 5970	05 C6		A2311	-98.061		108.593		
					-19.638			61.97
5971 5972	06 07		A2311 A2411	-96.587 -69.302		109.275 106.392		62.68
								54.80
5973	C7		A2411			106.510		53.76
5974	C8		A2411		-23.706	107.377		53.91
5975	N2		A2411	-67.596	-24.564	105.931	1.00	52.61
5976	C2		A2411		-25.609	105.112	1.00	52.99
5977	C1		A2411	-66.605	-25.068	103.764		47.58
5978	C3		A2411	-65.881	-26.265	105.866	1.00	54.83
5979	03		A2411	-66.372	-26.917	107.043		56.64
5980	C4		A2411	-65.217	-27.301	104.980		54.99
5981	04		A2411	-64.057		105.639		59.91
5982	C5		A2411	-64.856	-26.648	103.653		53.51
5983	05		A2411	-66.038	-26.142	103.026		52.24
5984	C6		A2411	-64.212	-27.654	102.717		52.86
5985	06		A2411	-65.229		101.831	1.00	52.85
5986	07		A2412		-27.486	103.509	1.00	73.72
5987	C7		A2412	-60.841	-27.680	104.609	1.00	73.68
5988	C8		A2412	-60.668		105.737	1.00	74.25
5989	N2		A2412	-61.635		104.846	1.00	72.89
5990	C2		A2412	-62.240	-28.940	106.145	1.00	72.83
5991	C1		A2412	-63.747	-29.127	106.017	1.00	69.76
5992	C3		A2412	-61.599	-30.144	106.833	1.00	73.48
5993	03		A2412	-60.208	-29.879	107.077	1.00	74.07
5994	C4		A2412	-62.303		108.156	1.00	73.50
5995	04		A2412	-61.792	-31.648	108.718	1.00	74.51
5996	C5		A2412			107.969	1.00	72.95
5997	05		A2412	-64.303	-29.319	107.318	1.00	72.24
5998	C6		A2412	-64.534	-30.638	109.310	1.00	73.39
5999	06		A2412	-64.246	-29.499		1.00	73.37
6000	07	NAG	A2931	-75.747	-20.902	123.574	1.00	68.40
6001	C7		A2931	-75.833	-19.694	123.389		68.47
6002	C8		A2931	-76.643		124.278		69.27
6003	N2		A2931	-75.142		122.428		66.82
6004	C2		A2931		-19.887	121.551		65.47
6005	C1		A2931		-19.648	120.071		62.57
6006	СЗ		A2931		-19.647	121.941		65.13
6007	03		A2931	-72.643		123.214		66.03
6008	C4	NAG	A2931	-71.872	-20.246	120.956	1.00	65.18

FIGURE 3 DN

A	В	C D E	F	G	H	I	J
6009	04	NAG A2931	-70.586	-19.657	121.232	1.00	64.70
6010	C5	NAG A2931	-72.320	-20.032	119.502		64.87
6011	05	NAG A2931	-73.686	-20.431	119.318	1.00	63.71
6012	C6	NAG A2931	-71.412	-20.759	118.501	1.00	65.29
6013	06	NAG A2931	-71.670	-22.169	118.463	1.00	66.16
6014	07	NAG A3331		-32.271	76.813	1.00	56.81
6015	C7	NAG A3331		-32.704	77.949	1.00	55.21
6016	C8	NAG A3331		-33.009	78.655	1.00	56.21
6017	N2	NAG A3331		-32.997	78.595	1.00	54.94
6018	C2	NAG A3331	-77.071	-32.724	77.972	1.00	
6019	C1	NAG A3331	-76.352		78.803	1.00	
6020	C3	NAG A3331		-33.980	77.825		54.42
6021	03	NAG A3331		-34.893	76.937	1.00	
6022	C4	NAG A3331		-33.570	77.300		55.36
6023	04 C5	NAG A3331		-34.698 -32.498	77.202 78.211		57.49
6024 6025	05	NAG A3331 NAG A3331		-32.498	78.211	1.00	55.58 54.08
6026	C6	NAG A3331	-72.862	-31.348	77.761	1.00	56.37
6027	06	NAG A3331	-73.020	-31.081	76.723	1.00	57.36
6028	N	HIS B 9	-26.838	6.528	39.826	1.00	
6029	CA	HIS B 9	-26.599	6.867	41.263	1.00	51.24
6030	CB	HIS B 9	-26.976	5.700	42.165	1.00	
6031	CG	HIS B 9	-26.270	4.422	41.834		51.51
6032	ND1	HIS B 9	-25.316	3.866	42.658		50.18
6033	CE1	HIS B 9	-24.880	2.738	42.124	1.00	50.86
6034	NE2	HIS B 9	-25.517	2.541	40.984	1.00	51.05
6035	CD2	HIS B 9	-26.391	3.581	40.778	1.00	52.22
6036	C	HIS B 9	-25.161	7.276	41.507	1.00	50.92
6037	0	HIS B 9	-24.848	7.893	42.525	1.00	50.67
6038	N	HIS B 10	-24.284	6.929	40.568	1.00	50.91
6039	CA	HIS B 10	-22.879	7.326	40.655	1.00	50.79
6040	CB	HIS B 10	-22.735	8.812	40.314	1.00	
6041	CG	HIS B 10	-23.356	9.188	39.001		53.62
6042	ND1	HIS B 10	-22.705	9.950	38.055	1.00	
6043	CE1	HIS B 10	-23.489	10.111	37.003		56.51
6044	NE2	HIS B 10	-24.624	9.476	37.231	1.00	57.01
6045	CD2	HIS B 10	-24.568	8.895	38.475	1.00	55.21
6046	C	HIS B 10	-22.299	7.031	42.041	1.00	49.97
6047 6048	O N	HIS B 10 HIS B 11	-21.543 -22.704	7.823 5.902	42.590 42.612	1.00	50.21 48.73
6049	CA	HIS B 11	-22.704	5.443	42.612	1.00	
6050	CB	HIS B 11	-20.757	4.977	43.751	1.00	47.49
6051	CG	HIS B 11	-20.599	3.895	42.736	1.00	46.24
6052	ND1	HIS B 11	-20.982	2.596	42.730	1.00	44.69
6053	CE1	HIS B 11	-20.735	1.862	41.907		45.47
6054	NE2	HIS B 11	-20.227	2.645	40.973	1.00	45.22
6055	CD2	HIS B 11	-20.141	3.924	41.463	1.00	46.06
6056	C	HIS B 11	-22.359	6.382	45.085	1.00	47.55
6057	O	HIS B 11	-21.589	6.341	46.048	1.00	47.46
6058	N	HIS B 12	-23.371	7.229	45.028	1.00	47.24
6059	CA	HIS B 12	-23.628	8.090	46.164	1.00	47.40

FIGURE 3 DO

A	В	C I	E	F	G	H	I	J
6060	СВ	HIS E	12	-24.450	9.308	45.755	1.00	47.98
6061	CG	HIS E		-23.691	10.278	44.912	1.00	49.81
6062	ND1	HIS E		-22.581	10.952	45.375	1.00	51.77
6063	CE1	HIS E		-22.118	11.738	44.418	1.00	53.30
6064	NE2	HIS E		-22.886	11.596	43.352	1.00	53.18
6065	CD2	HIS E		-23.876	10.685	43.634	1.00	52.05
6066	C	HIS E		-24.335	7.308	47.261	1.00	46.64
6067	ō	HIS E		-25.076	6.350	46.999	1.00	46.17
6068	N	SER E		-24.068	7.703	48.494	1.00	45.74
6069	CA	SER E		-24.696	7.067	49.621	1.00	45.17
6070	CB	SER E	13	-24.011	7.502	50.918	1.00	45.34
6071	OG	SER E	13	-22.627	7.208	50.873	1.00	44.84
6072	С	SER E	13	-26.154	7.486	49.610	1.00	44.76
6073	0	SER E	13	-26.474	8.666	49.801	1.00	44.75
6074	N	ARG E	14	-27.047	6.538	49.349	1.00	43.99
6075	CA	ARG E	14	-28.455	6.893	49.353	1.00	43.48
6076	CB	ARG E	14	-29.081	6.839	47.946	1.00	44.34
6077	CG	ARG E	14	-29.532	5.487	47.438	1.00	46.74
6078	CD	ARG E	14	-28.437	4.724	46.726	1.00	50.53
6079	NE	ARG E	14	-28.877	3.996	45.535	1.00	52.35
6080	CZ	ARG E	14	-28.334	2.846	45.150	1.00	54.53
6081	NH1	ARG E		-27.358	2.316	45.879	1.00	56.16
6082	NH2	ARG E		-28.753	2.220	44.054	1.00	53.87
6083	С	ARG E		-29.258	6.157	50.426	1.00	42.02
6084	0	ARG E		-30.411	6.493	50.684	1.00	42.18
6085	N	LYS E		-28.618	5.183	51.071	1.00	40.01
6086	CA	LYS E		-29.213	4.452	52.181	1.00	37.85
6087	CB	LYS E		-28.399	3.193	52.484	1.00	38.37
6088	CG	LYS E		-28.765	1.968	51.687	1.00	38.55
6089	CD	LYS E		-27.853	0.820	52.068	1.00	38.41
6090	CE	LYS E		-26.649	0.727	51.162	1.00	37.94
6091	NZ	LYS E		-25.836	-0.495	51.508	1.00	38.06
6092	C	LYS E		-29.172	5.281	53.445	1.00	36.28
6093	0	LYS E		-28.301	6.137	53.613	1.00	35.80
6094	N	THR E		-30.105	5.005	54.349	1.00	34.29
6095	CA	THR E		-30.074	5.617	55.665	1.00	32.39
6096	CB	THR E		-31.240 -32.480	6.588 5.870	55.881	1.00	32.78
6097	OG1	THR E				55.918	1.00	32.81
6098 6099	CG2	THR E		-31.389 -30.131	7.522 4.493	54.692 56.671	1.00	32.16
6100	C			-30.131	3.335	56.315	1.00	30.96
6101	N	THR E		-29.889	4.823	57.927	1.00	30.27
6102	CA	TYR E		-29.969	3.826	58.982	1.00	29.53
6103	CB	TYR E		-29.076	4.257	60.137	1.00	28.58
6104	CG	TYR E		-28.988	3.271	61.260	1.00	26.98
6105	CD1	TYR E		-28.046	2.261	61.238	1.00	25.97
6106	CE1	TYR E		-27.938	1.358	62.275	1.00	25.10
6107	CZ	TYR E		-28.788	1.473	63.364	1.00	26.59
6108	OH	TYR E		-28.689	0.564	64.394	1.00	25.76
6109	CE2	TYR E		-29.741	2.474	63.411	1.00	
6110	CD2	TYR E		-29.835	3.364	62.366		26.27

FIGURE 3 DP

A	В	C I) E	F	G	Н	I	J
6111	С	TYR E	3 17	-31.433	3.772	59.419	1.00	29.18
6112	0	TYR E	3 17	-31.931	4.715	60.021	1.00	29.31
6113	N	THR E	3 18	-32.127	2.681	59.128	1.00	28.83
6114	CA	THR E	3 18	-33.577	2.650	59.393	1.00	28.33
6115	CB	THR E	3 18	-34.283	1.890	58.301	1.00	28.04
6116	OG1	THR E	3 18	-33.843	0.532	58.361	1.00	27.49
6117	CG2	THR E	18	-33.839	2.392	56.890	1.00	27.67
6118	C	THR E	18	-34.015	2.041	60.726	1.00	28.42
6119	0	THR E	3 18	-33.225	1.418	61.440	1.00	28.15
6120	N	LEU E		-35.296	2.214	61.032	1.00	28.13
6121	CA	LEU E		-35.874	1.645	62.235	1.00	28.62
6122	CB	LEU E		-37.370	1.958	62.310	1.00	28.69
6123	CG	LEU E		-38.090	1.439	63.555	1.00	30.29
6124	CD1	LEU E		-37.459	2.049	64.794	1.00	30.06
6125	CD2	LEU E		-39.565	1.788	63.486	1.00	29.50
6126	C	LEU E		-35.626	0.144	62.259	1.00	28.23
6127	0	LEU E		-35.243	-0.409	63.287	1.00	28.68
6128	N	THR E		-35.826	-0.501	61.114	1.00	28.11
6129	CA	THR E		-35.579	-1.926	60.970	1.00	
6130	CB	THR E		-36.145	-2.409	59.644	1.00	29.13
6131	0G1	THR E		-37.513	-1.991	59.557	1.00	33.42
6132 6133	CG2 C	THR E		-36.249 -34.089	-3.899 -2.274	59.638	1.00	28.42
6134	0	THR E		-33.731	-3.372	61.057 61.494	1.00	28.68
6135	N	ASP E		-33.731	-1.368	60.623	1.00	27.84
6136	CA	ASP E		-31.793	-1.633	60.803		27.96
6137	CB	ASP E		-30.910	-0.552	60.163	1.00	27.48
6138	CG	ASP E		-30.980	-0.578	58.658	1.00	27.90
6139	OD1	ASP E		-31.234	-1.661	58.102	1.00	29.99
6140	OD2	ASP E		-30.850	0.434	57.948	1.00	27.64
6141	C	ASP E		-31.500	-1.746	62.292	1.00	27.47
6142	ō	ASP E		-30.852	-2.681	62.730	1.00	27.65
6143	N	TYR E	3 22	-31.990	-0.786	63.066	1.00	27.56
6144	CA	TYR E	3 22	-31.798	-0.786	64.511	1.00	27.07
6145	CB	TYR E	3 22	-32.387	0.496	65.095	1.00	27.26
6146	CG	TYR E	3 22	-32.479	0.536	66.603	1.00	25.76
6147	CD1	TYR E	3 22	-31.354	0.327	67.390	1.00	25.07
6148	CE1	TYR E		-31.437	0.361	68.771	1.00	26.02
6149	CZ	TYR E		-32.658	0.625	69.376	1.00	26.47
6150	OH	TYR E		-32.730	0.652	70.740	1.00	28.72
6151	CE2	TYR E		-33.791	0.833	68.622	1.00	24.53
6152	CD2	TYR E		-33.698	0.788	67.238	1.00	24.72
6153	C	TYR E		-32.462	-1.990	65.152	1.00	
6154	0	TYR E		-31.860	-2.704	65.952	1.00	26.36
6155	N	LEU E		-33.717	-2.218	64.787	1.00	28.09
6156	CA	LEU E		-34.463	-3.332	65.374	1.00	28.86
6157	CB	LEU E		-35.959	-3.162	65.148	1.00	28.70
6158	CG	LEU E		-36.527	-1.946	65.867	1.00	28.01
6159	CD1	LEU E		-38.043	-1.974	65.769	1.00	27.16
6160	CD2 C	LEU E		-36.049 -33.989	-1.928 -4.725	67.336	1.00	27.83
6161	C	TRO F	23	-33.989	-4.725	64.962	1.00	29.70

FIGURE 3 DQ

A	В	С	D	Е	F	G	Н	I	J
6162	0	LEU	R	23	-34.043	-5.656	65.771	1.00	29.97
6163	N		В	24	-33.506	-4.899	63.736	1.00	31.19
6164	CA	LYS		24	-33.044	-6.248	63.338	1.00	33.19
6165	CB	LYS		24	-33.556	-6.624	61.946	1.00	32.67
6166	CG	LYS		24	-35.050	-6.558	61.801	1.00	34.40
6167	CD	LYS	В	24	-35.750	-7.527	62.748	1.00	36.99
6168	CE	LYS	В	24	-37.226	-7.660	62.398	1.00	38.20
6169	NZ	LYS	В	24	-37.985	-8.390	63.451	1.00	39.33
6170	C	LYS	В	24	-31.518	-6.371	63.417	1.00	33.92
6171	0	LYS	В	24	-30.911	-7.210	62.753	1.00	34.63
6172	N	ASN	В	25	-30.921	-5.515	64.243	1.00	35.51
6173	CA	ASN	В	25	-29.473	-5.455	64.485	1.00	37.54
6174	CB	ASN		25	-29.083	-6.367	65.658	1.00	37.71
6175	CG	ASN		25	-28.007	-5.750	66.536	1.00	41.32
6176	OD1	ASN		25	-26.832	-5.676	66.146	1.00	44.42
6177	ND2	ASN		25	-28.400	-5.287	67.726	1.00	42.73
6178	С	ASN		25	-28.577	-5.684	63.250	1.00	37.43
6179	0	ASN		25	-27.533	-6.328	63.326	1.00	38.79
6180	И	THR		26	-29.007	-5.106	62.133	1.00	37.35
6181	CA	THR		26	-28.351	-5.149	60.825	1.00	37.43
6182	CB	THR		26	-29.128	-4.228	59.856	1.00	37.53
6183	OG1	THR		26	-30.456	-4.736	59.653	1.00	38.93
6184	CG2	THR		26	-28.513	-4.276	58.461	1.00	36.89
6185	C	THR		26	-26.877	-4.710	60.783	1.00	37.60
6186	0	THR		26	-26.050	-5.306	60.086	1.00	37.23
6187	N	TYR		27	-26.571	-3.625	61.480	1.00	37.59
6188 6189	CA	TYR		27 27	-25.217 -25.188	-3.115	61.540 61.243	1.00	37.80 37.38
6190	CB CG	TYR		27	-25.714	-1.630 -1.301	59.872	1.00	37.50
6191	CD1	TYR		27	-24.993	-1.628	58.730	1.00	38.34
6192	CE1	TYR		27	-25.484	-1.313	57.460	1.00	38.30
6193	CZ	TYR		27	-26.711	-0.680	57.342	1.00	37.34
6194	OH	TYR		27	-27.225	-0.356	56.103	1.00	36.98
6195	CE2	TYR		27	-27.433	-0.359	58.471	1.00	36.73
6196	CD2	TYR		27	-26.941	-0.673	59.714	1.00	35.88
6197	C	TYR		27	-24.732	-3.405	62.929	1.00	38.00
6198	ŏ	TYR		27	-25.262	-2.894	63.916	1.00	37.90
6199	N	ARG		28	-23.715	-4.246	62.998	1.00	38.99
6200	CA	ARG	В	28	-23.300	-4.776	64.275	1.00	39.79
6201	CB	ARG	В	28	-23.452	-6.296	64.269	1.00	40.10
6202	CG	ARG	В	28	-23.869	-6.872	65.611	1.00	43.94
6203	CD	ARG	В	28	-24.428	-8.312	65.544	1.00	47.66
6204	NE	ARG	В	28	-25.551	-8.447	64.616	1.00	50.54
6205	CZ	ARG	В	28	-26.333	-9.527	64.544	1.00	52.62
6206	NH1	ARG	В	28	-26.131	-10.561	65.354	1.00	53.53
6207	NH2	ARG		28	-27.323	-9.576	63.665	1.00	52.85
6208	С	ARG		28	-21.906	-4.396	64.721	1.00	39.43
6209	0	ARG		28	-20.924	-4.536	63.991	1.00	39.12
6210	N	LEU		29	-21.856	-3.924	65.957	1.00	39.68
6211	CA	LEU		29	-20.637	-3.556	66.620	1.00	39.80
6212	CB	LEU	В	29	-21.008	-2.766	67.868	1.00	39.92

FIGURE 3 DR

A	В	C	D E	F	G	H	I	J
6213	CG	LEU I	B 29	-20.875	-1.249	67.910	1.00	40.58
6214	CD1	LEU		-21.683	-0.732	69.085	1.00	40.56
6215	CD2	LEU I		-21.303	-0.585	66.623	1.00	40.39
6216	C	LEU I		-19.945	-4.842	67.035	1.00	39.84
6217	ō	LEU I		-20.483	-5.610	67.826	1.00	39.65
6218	N	LYS		-18.768	-5.108	66.495	1.00	40.26
6219	CA		В 30	-18.047	-6.297	66.931	1.00	40.77
6220	CB	LYS		-17.055	-6.779	65.885	1.00	41.21
6221	CG	LYS		-17.720	-7.358	64.650	1.00	43.51
6222	CD	LYS		-16.815	-8.350	63.947	1.00	45.58
6223	CE	LYS		-17.202	-9.800	64.271	1.00	48.08
6224	NZ	LYS		-17.225	-10.113	65.734	1.00	48.56
6225	С	LYS I		-17.347	-5.997	68.237	1.00	40.39
6226	0	LYS I		-16.761	-4.937	68.412	1.00	40.34
6227	N	LEU I		-17.461	-6.920	69.174	1.00	40.68
6228	CA	LEU I	В 31	-16.810	-6.774	70.456	1.00	41.26
6229	CB	LEU I	В 31	-17.755	-7.188	71.583	1.00	41.72
6230	CG	LEU I	B 31	-18.821	-6.197	72.049	1.00	43.90
6231	CD1	LEU I	В 31	-19.901	-5.995	70.972	1.00	45.00
6232	CD2	LEU I	B 31	-19.443	-6.679	73.365	1.00	44.09
6233	С	LEU I	B 31	-15.596	-7.684	70.477	1.00	40.83
6234	0	LEU I	B 31	-15.402	-8.491	69.568	1.00	40.77
6235	N	TYR I		-14.762	-7.524	71.494	1.00	40.42
6236	CA	TYR I		-13.677	-8.456	71.722	1.00	40.52
6237	CB	TYR I	B 32	-12.325	-7.966	71.205	1.00	40.33
6238	CG	TYR I	B 32	-11.335	-9.111	71.097	1.00	40.26
6239	CD1	TYR I	B 32	-10.746	-9.656	72.230	1.00	39.09
6240	CE1	TYR I	B 32	-9.857	-10.715	72.138	1.00	39.65
6241	CZ	TYR I	B 32	-9.555	-11.253	70.901	1.00	40.53
6242	OH	TYR I	B 32	-8.659	-12.305	70.802	1.00	41.54
6243	CE2	TYR I	B 32	-10.131	-10.733	69.762	1.00	40.34
6244	CD2	TYR I	B 32	-11.024	-9.676	69.863	1.00	40.59
6245	C	TYR I	B 32	-13.643	-8.648	73.215	1.00	40.78
6246	0	TYR I	B 32	-12.922	-7.954	73.935	1.00	40.51
6247	N	SER I	B 33	-14.447	-9.590	73.675	1.00	41.07
6248	CA	SER I	B 33	-14.612	-9.810	75.093	1.00	42.02
6249	CB	SER I	B 33	-16.088	-10.092	75.391	1.00	42.31
6250	OG	SER I	B 33	-16.253	-10.612	76.698	1.00	44.32
6251	C	SER I		-13.725	-10.935	75.582	1.00	42.28
6252	0	SER I	B 33	-13.885	-12.086	75.192	1.00	43.13
6253	N	LEU I		-12.774	-10.607	76.441	1.00	42.35
6254	CA	LEU I		-11.872	-11.626	76.933	1.00	42.22
6255	CB	LEU I		-10.449	-11.343	76.456	1.00	41.83
6256	CG	LEU I		-9.857	-9.991	76.829	1.00	40.59
6257	CD1	LEU I		-9.349	-10.059	78.253	1.00	38.90
6258	CD2	LEU I		-8.755	-9.608	75.849	1.00	38.10
6259	С	LEU I		-11.913	-11.776	78.444	1.00	42.66
6260	0	LEU I		-12.320	-10.864	79.166	1.00	42.16
6261	N	ARG I		-11.510	-12.956	78.904	1.00	43.14
6262	CA	ARG I		-11.381	-13.223	80.320	1.00	43.97
6263	CB	ARG I	В 35	-12.289	-14.372	80.748	1.00	44.41

FIGURE 3 DS

A	В	С	D E	F		G	H	I	J
6264	CG	ARG	в 3	5 -13 7/	18 -14	178	80.430	1.00	46.96
6265	CD	ARG					80.199	1.00	51.91
6266	NE	ARG					80.144	1.00	54.36
6267	CZ	ARG				.049	80.915	1.00	55.95
6268	NH1	ARG					81.803	1.00	55.92
6269	NH2	ARG					80.796	1.00	56.97
6270	C	ARG				.613	80.582	1.00	43.91
6271	ō	ARG					80.113	1.00	43.73
6272	N	TRP					81.314	1.00	43.77
6273	CA	TRP	в 3	6 -7.8	41 -13	.093	81.648	1.00	44.42
6274	CB	TRP	В 3			.895	82.283	1.00	43.77
6275	CG	TRP	в 3	6 -6.86	54 -10	.747	81.372	1.00	41.88
6276	CD1	TRP	В 3	6 -7.50	06 -9	.547	81.356	1.00	41.08
6277	NE1	TRP	B 3	6 -6.9	60 -8	.727	80.399	1.00	37.93
6278	CE2	TRP	B 3	6 -5.93	35 -9	.393	79.785	1.00	38.72
6279	CD2	TRP	В 3	6 -5.84	45 -10	.665	80.377	1.00	39.63
6280	CE3	TRP	B 3	6 -4.85	59 -11	.545	79.920	1.00	40.34
6281	CZ3	TRP	B 3	6 -4.02	24 -11	.143	78.910	1.00	38.87
6282	CH2	TRP	B 3	6 -4.1	14 -9	.873	78.338	1.00	40.20
6283	CZ2	TRP	B 3	6 -5.08	35 -8	.981	78.765	1.00	38.43
6284	C	TRP	B 3				82.647	1.00	45.28
6285	0	TRP				.223	83.605	1.00	45.67
6286	N	ILE				.253	82.433	1.00	46.12
6287	CA	ILE					83.399	1.00	47.03
6288	CB		В 3				82.741	1.00	47.02
6289	CG1		В 3		79 -17		81.518	1.00	47.30
6290	CD1	ILE					81.840	1.00	48.08
6291	CG2	ILE					82.357	1.00	46.71
6292	С	ILE					84.128	1.00	47.70
6293	0	ILE					85.129	1.00	47.41
6294	N	SER					83.630	1.00	48.57
6295	CA	SER				.353	84.246	1.00	49.53
6296	CB	SER				.449	83.753	1.00	49.32
6297	OG	SER					82.451	1.00	48.71
6298	С	SER					83.886	1.00	50.44
6299	0	SER				.879	83.428	1.00	51.01
6300	N CA	ASP					84.066 83.749	1.00	50.86
6301 6302	CB	ASP ASP				.396	84.705	1.00	51.46
6302	CG	ASP					84.628	1.00	52.93
6304	OD1	ASP					84.682	1.00	54.27
6305	OD2	ASP				.982	84.518	1.00	53.13
6306	C	ASP					82.321	1.00	51.44
6307	o		B 3			.668	81.889	1.00	51.64
6308	N	HIS					81.582	1.00	51.62
6309	CA	HIS			59 -13		80.227	1.00	51.91
6310	CB	HIS					80.213	1.00	52.32
6311	CG	HIS					81.576	1.00	54.08
6312	ND1	HIS				.370	82.297	1.00	54.07
6313	CE1	HIS					83.456	1.00	55.31
6314	NE2	HIS			13 -16		83.516		55.18

FIGURE 3 DT

A	В	C	D I	3	F	G	H	I	J
6315	CD2	HIS	ъ.	10	1.405	-16.290	82.354	1.00	55.14
6316	C C			10		-14.346	79.247	1.00	51.73
6317	0	HIS		10	-0.952	-14.189	78.037	1.00	51.68
6318	N	GLU		11	-2.162	-14.169	79.755	1.00	51.57
						-15.525		1.00	
6319 6320	CA	GLU		41 41		-17.053	78.863 78.913	1.00	51.93
	CB	GLU							
6321	CG	GLU		11		-17.658	78.355	1.00	53.18
6322	CD	GLU		11	-1.681	-19.133	78.686	1.00	54.96
6323	OE1	GLU		11		-19.464	79.720	1.00	55.10
6324	OE2	GLU		11	-2.195	-19.962	77.906	1.00	55.09
6325	C	GLU		11		-15.065	79.154	1.00	51.90
6326	0	GLU		11	-4.940	-14.762	80.299	1.00	51.84
6327	N	TYR		12		-15.009	78.106	1.00	51.74
6328	CA	TYR		12	-6.831	-14.743	78.280	1.00	51.50
6329	CB	TYR		12	-7.226	-13.325	77.833	1.00	50.57
6330	CG	TYR		12		-12.992	76.368	1.00	47.94
6331	CD1	TYR		12	-7.893	-13.394	75.392	1.00	45.17
6332	CE1	TYR		12	-7.694	-13.081	74.067	1.00	43.18
6333	CZ	TYR		12	-6.592	-12.343	73.699	1.00	43.34
6334	OH	TYR		12	-6.389	-12.031	72.371	1.00	41.78
6335	CE2	TYR		12	-5.691	-11.921	74.651	1.00	43.45
6336	CD2	TYR		12		-12.242	75.972	1.00	44.84
6337	С	TYR	В 4	12	-7.655	-15.809	77.552	1.00	52.30
6338	0	TYR	В 4	12	-7.148	-16.489	76.658	1.00	52.29
6339	N	LEU	В 4	13	-8.910	-15.968	77.965	1.00	52.88
6340	CA	LEU	В 4	13	-9.832	-16.857	77.286	1.00	53.73
6341	CB	LEU	В 4	13	-10.737	-17.551	78.294	1.00	53.62
6342	CG	LEU	В 4	13	-10.033	-18.439	79.320	1.00	54.25
6343	CD1	LEU	В 4	13	-10.910	-18.638	80.538	1.00	54.41
6344	CD2	LEU	В 4	13	-9.644	-19.777	78.704	1.00	54.35
6345	C	LEU	В	13	-10.671	-16.031	76.311	1.00	54.45
6346	0	LEU	В	13	-10.997	-14.881	76.588	1.00	54.30
6347	N	TYR	В	14	-11.006	-16.613	75.166	1.00	55.68
6348	CA	TYR	В	14	-11.817	-15.923	74.171	1.00	57.26
6349	CB	TYR	В	14	-10.930	-15.157	73.178	1.00	57.10
6350	CG	TYR	В 4	14	-11.671	-14.398	72.091	1.00	57.59
6351	CD1	TYR	В	14	-12.356	-13.221	72.372	1.00	58.09
6352	CE1	TYR	В	14	-13.030	-12.516	71.369	1.00	58.19
6353	CZ	TYR	В	14	-13.022	-12.993	70.076	1.00	58.91
6354	OH	TYR	В	14	-13.687	-12.312	69.075	1.00	58.89
6355	CE2	TYR		14	-12.345	-14.158	69.773	1.00	59.05
6356	CD2	TYR		14	-11.673	-14.853	70.778	1.00	58.95
6357	C	TYR		14	-12.730	-16.925	73.470	1.00	58.24
6358	ō	TYR		14		-18.115	73.462	1.00	58.37
6359	N	LYS		15	-13.828	-16.435	72.910	1.00	59.96
6360	CA	LYS		15	-14.817	-17.274	72.236	1.00	61.44
6361	CB	LYS		15	-16.173	-17.124	72.920	1.00	61.57
6362	CG	LYS		15	-16.230	-16.025	73.991	1.00	62.26
6363	CD	LYS		15	-15.996	-14.613	73.431	1.00	62.59
6364	CE	LYS		15	-16.607	-13.542	74.347	1.00	63.16
6365	NZ	LYS		15		-13.633	74.435		61.86
			-			,000	100	_ , 0 0	00

FIGURE 3 DU

A	В	C D	E	F	G	Н	I	J
6366	С	LYS B	45	-14.922	-16.889	70.770	1.00	62.40
6367	ō	LYS B		-15.245	-15.751	70.455	1.00	62.63
6368	N	GLN B	46	-14.661	-17.831	69.869	1.00	63.60
6369	CA	GLN B		-14.641	-17.489	68.447	1.00	64.81
6370	CB	GLN B	46	-13.338	-17.957	67.794	1.00	64.71
6371	CG	GLN B	46	-12.837	-16.995	66.726	1.00	66.33
6372	CD	GLN B	46	-11.343	-17.113	66.469	1.00	68.01
6373	OE1	GLN B		-10.534	-16.532	67.202	1.00	68.30
6374	NE2	GLN B		-10.971	-17.860	65.427	1.00	67.36
6375	С	GLN B		-15.862	-17.981	67.668	1.00	65.41
6376	0	GLN B		-16.773	-17.208	67.363	1.00	65.55
6377	N	GLU B		-15.866	-19.260	67.314	1.00	65.98
6378	CA	GLU B		-17.036	-19.846	66.675	1.00	66.56
6379	CB	GLU B			-20.456	65.307	1.00	66.89
6380	CG	GLU B			-19.640	64.120	1.00	68.68
6381 6382	CD OE1	GLU B		-16.237 -16.247	-18.599 -17.434	63.590 64.076	1.00	71.16
6383	OE2	GLU B		-15.473	-17.434	62.656	1.00	70.88
6384	C	GLU B				67.668	1.00	66.36
6385	Ö	GLU B		-17.660	-22.064	67.430	1.00	66.62
6386	N	ASN B		-18.041	-20.304	68.803	1.00	65.95
6387	CA	ASN B		-18.581	-21.041	69.950	1.00	65.37
6388	CB	ASN B		-19.957	-21.680	69.676	1.00	65.48
6389	CG	ASN B		-21.116	-20.758	70.094	1.00	65.80
6390	OD1	ASN B		-21.165	-20.288	71.239	1.00	64.98
6391	ND2	ASN B		-22.032	-20.477	69.162	1.00	65.73
6392	С	ASN B			-21.941	70.736	1.00	64.81
6393	ō	ASN B		-17.971	-22.434	71.807	1.00	64.82
6394	N	ASN B	49	-16.400	-22.138	70.226	1.00	63.93
6395	CA	ASN B	49	-15.387	-22.856	70.993	1.00	63.05
6396	CB	ASN B	49	-14.321	-23.493	70.101	1.00	63.20
6397	CG	ASN B			-23.455	68.628	1.00	63.85
6398	OD1	ASN B		-14.554	-22.414	67.976	1.00	65.23
6399	ND2	ASN B		-15.092	-24.596	68.087	1.00	63.26
6400	C	ASN B		-14.702	-21.861	71.923	1.00	62.50
6401	0	ASN B		-14.864	-20.649	71.780	1.00	62.26
6402	N	ILE B		-13.931	-22.367	72.877	1.00	61.74
6403	CA	ILE B		-13.226	-21.486	73.787	1.00	60.91
6404	CB	ILE B		-13.512	-21.857	75.244	1.00	61.30
6405	CG1	ILE B		-15.005	-21.701	75.542	1.00	61.57
6406 6407	CD1 CG2	ILE B		-15.350 -12.706	-22.003 -20.969	76.982 76.200	1.00	61.75
6408	C	ILE B		-12.706	-20.969	73.500	1.00	60.95
6409	0	ILE B		-11.742	-21.534	73.787	1.00	59.88
6410	N	LEU B			-20.458	72.909	1.00	59.28
6411	CA	LEU B		-9.831	-20.435	72.572	1.00	58.43
6412	CB	LEU B		-9.658	-19.391	71.381	1.00	58.12
6413	CG	LEU B		-9.703	-20.085	70.019	1.00	58.00
6414	CD1	LEU B		-10.759	-21.167	70.027	1.00	57.14
6415	CD2	LEU B			-19.103	68.885	1.00	57.24
6416	C	LEU B			-19.818	73.759		57.94

FIGURE 3 DV

A	В	С	D	Е	F	G		Н	I	J
6417	0	LEU	В	51	-9.608	-19.30	03 7	4.713	1.00	57.72
6418	N	VAL	В	52	-7.723	-19.98	36 7	3.712	1.00	57.43
6419	CA	VAL	В	52	-6.860	-19.42	29 7	4.746	1.00	56.95
6420	CB	VAL	В	52	-6.370	-20.47	78 7	5.756	1.00	57.02
6421	CG1	VAL	В	52	-5.285	-19.89	91 7	6.638	1.00	56.40
6422	CG2	VAL	В	52	-5.866	-21.71	19 7	5.049	1.00	56.93
6423	C	VAL	В	52	-5.690	-18.72	27 7	4.078	1.00	56.84
6424	0	VAL	В	52	-4.989	-19.30)1 7	3.248	1.00	56.50
6425	N	PHE	В	53	-5.496	-17.46		4.434	1.00	56.79
6426	CA	PHE	В	53	-4.467	-16.67		3.805	1.00	56.75
6427	CB	PHE	В	53	-5.044	-15.36		3.277	1.00	56.60
6428	CG	PHE	В	53	-6.099	-15.55		2.245	1.00	57.26
6429	CD1	PHE	В	53	-7.339	-16.07		2.590	1.00	57.88
6430	CE1	PHE	В	53	-8.321	-16.23		1.645	1.00	57.75
6431	CZ		В	53	-8.077	-15.88		0.336	1.00	58.84
6432	CE2	PHE	В	53	-6.844	-15.37		9.973	1.00	58.70
6433	CD2	PHE	В	53	-5.862	-15.20		0.927	1.00	57.58
6434	C	PHE	В	53	-3.329	-16.34		4.729	1.00	56.71
6435	0	PHE	В	53	-3.484	-16.26		5.941	1.00	56.63
6436	N	ASN	В	54	-2.182	-16.14		4.100	1.00	56.98
6437	CA	ASN	В	54	-0.966	-15.73		4.743	1.00	57.09
6438	CB		В	54	0.171	-16.56		4.181	1.00	57.12
6439 6440	CG OD1	ASN		54 54	1.498	-16.20 -15.21		4.769	1.00	56.01 54.87
6441	ND2	ASN	В	54	1.965	-17.02		5.703	1.00	55.05
6442	C ND2		В	54	-0.799			4.342	1.00	57.73
6443	0	ASN		54	-0.733	-13.98		3.181	1.00	57.55
6444	N	ALA		55	-0.328	-13.38		5.292	1.00	58.43
6445	CA	ALA		55	-0.932	-11.96		5.000	1.00	59.29
6446	CB	ALA		55	-1.108	-11.16		6.277	1.00	59.33
6447	C	ALA		55	0.369			4.321	1.00	59.88
6448	ō	ALA		55		-10.65		3.524	1.00	60.04
6449	N	GLU		56	1.413	-12.33		4.645	1.00	60.75
6450	CA	GLU		56	2.749	-12.09		4.130	1.00	61.77
6451	CB	GLU	В	56	3.728	-13.06		4.776	1.00	62.15
6452	CG	GLU	В	56	4.532	-12.44	13 7	5.894	1.00	63.77
6453	CD	GLU	В	56	5.370	-11.28	30 7	5.395	1.00	66.27
6454	OE1	GLU	В	56	6.291	-11.54	11 7	4.584	1.00	67.34
6455	OE2	GLU	В	56	5.105	-10.11	17 7	5.805	1.00	65.91
6456	C	GLU	В	56	2.883	-12.13	39 7	2.607	1.00	62.06
6457	0	GLU		56	3.203	-11.12		1.983	1.00	62.17
6458	N	TYR		57	2.673	-13.31		2.013	1.00	62.35
6459	CA	TYR		57	2.769	-13.43		0.560	1.00	62.74
6460	CB	TYR		57	3.508	-14.70		0.125	1.00	63.09
6461	CG	TYR		57		-15.29		1.152	1.00	64.05
6462	CD1	TYR		57	5.027	-14.50		2.119	1.00	65.43
6463	CE1	TYR		57	5.864	-15.05		3.061	1.00	66.27
6464	CZ	TYR		57	6.120	-16.40		3.041	1.00	66.25
6465	OH	TYR		57	6.963	-16.95		3.978	1.00	67.79
6466	CE2	TYR		57	5.545	-17.20		2.085	1.00	66.31
6467	CD2	TYR	В	57	4./06	-16.65	ou 7	1.149	1.00	65.51

FIGURE 3 DW

A	В	С	D E	F	G	H	I	J
6468	С	TYR	в 5	7 1.382	-13.440	69.945	1.00	62.46
6469	Ö	TYR			-13.316	68.733	1.00	62.46
6470	N	GLY			-13.594	70.787	1.00	62.28
6471	CA	GLY			-13.617	70.317	1.00	62.29
6472	C	GLY			-14.950	69.710	1.00	62.12
6473	0	GLY			-15.056	69.047	1.00	61.90
6474					-15.056			
	N	ASN				69.928	1.00	62.10
6475	CA	ASN			-17.299	69.409	1.00	62.12
6476	CB	ASN			-18.160	69.412	1.00	62.09
6477	CG	ASN			-18.464	70.815	1.00	62.18
6478	OD1	ASN			-17.553	71.586	1.00	60.82
6479	ND2	ASN			-19.748	71.160	1.00	64.54
6480	C	ASN			-17.977	70.256	1.00	62.01
6481	0	ASN			-17.865	71.484	1.00	62.06
6482	N	SER			-18.691	69.605	1.00	61.92
6483	CA	SER	B 6	-3.850	-19.373	70.340	1.00	61.95
6484	CB	SER	B 6	-5.204	-18.728	70.056	1.00	61.91
6485	OG	SER	B 6	-5.667	-19.113	68.772	1.00	62.01
6486	C	SER	B 6	-3.945	-20.844	69.995	1.00	61.93
6487	0	SER	B 6	-3.346	-21.325	69.040	1.00	61.77
6488	N	SER	B 6	-4.708	-21.552	70.815	1.00	62.17
6489	CA	SER			-22.932	70.555	1.00	62.30
6490	CB	SER	B 6	-4.048	-23.917	71.137	1.00	62.27
6491	OG	SER			-23.803	72.538	1.00	62.62
6492	C	SER			-23.110	71.158	1.00	62.28
6493	ō	SER			-22.250	71.904	1.00	62.54
6494	N	VAL			-24.198	70.810	1.00	62.21
6495	CA	VAL			-24.449	71.357	1.00	61.76
6496	CB	VAL			-25.565	70.591	1.00	61.90
6497	CG1	VAL			-25.921	71.291	1.00	61.46
6498	CG2	VAL			-25.139	69.141	1.00	61.92
6499	C	VAL				72.807	1.00	61.57
6500	0	VAL			-24.633	73.131	1.00	61.62
6501	N				-24.244	73.683	1.00	60.96
		PHE						
6502	CA	PHE			-24.560	75.098	1.00	60.46
6503	CB		B 6		-23.290	75.932	1.00	60.45
6504	CG		B 6		-23.553	77.399	1.00	60.16
6505	CD1	PHE			-23.705	77.931	1.00	59.55
6506	CE1		B 6		-23.956	79.270	1.00	59.59
6507	CZ	PHE			-24.050	80.099	1.00	60.18
6508	CE2		B 6		-23.895	79.584	1.00	60.64
6509	CD2	PHE	B 6		-23.651	78.240	1.00	59.87
6510	C	PHE	B 6		-25.515	75.425	1.00	60.33
6511	0	PHE			-26.460	76.201	1.00	60.23
6512	N	LEU	B 6	1 -11.283	-25.244	74.824	1.00	60.21
6513	CA	LEU			-26.039	75.041	1.00	60.12
6514	CB	LEU	В 6-	4 -13.212	-25.543	76.274	1.00	60.27
6515	CG	LEU	В 6-	4 -14.335	-26.436	76.790	1.00	60.44
6516	CD1	LEU	В 6-	1 -13.765	-27.490	77.728	1.00	59.69
6517	CD2	LEU	В 6-	1 -15.378	-25.585	77.495	1.00	60.61
6518	C	LEU	в 6	1 -13.349	-25.892	73.822	1.00	60.20

FIGURE 3 DX

A	В	C I) Е	F	G	Н	I	J
6519	0	LEU E	3 64	-14.011	-24.866	73.635	1.00	60.10
6520	N	GLU E		-13.328	-26.906	72.968		60.28
6521	CA	GLU E	65	-14.175	-26.897	71.791	1.00	60.35
6522	CB	GLU E		-13.674	-27.905	70.760	1.00	60.68
6523	CG	GLU E		-13.138	-29.193	71.362		61.58
6524	CD	GLU E	65	-12.352	-30.009	70.355	1.00	63.25
6525	OE1	GLU E	65	-12.038	-31.190	70.647	1.00	62.40
6526	OE2	GLU E	65	-12.044	-29.457	69.271	1.00	63.97
6527	С	GLU E	65	-15.567	-27.252	72.261	1.00	59.89
6528	0	GLU E	65	-15.727	-28.072	73.162	1.00	59.64
6529	N	ASN E	3 66	-16.579	-26.620	71.680	1.00	59.76
6530	CA	ASN E	66	-17.937	-26.937	72.098	1.00	59.62
6531	CB	ASN E		-18.818	-25.704	72.323	1.00	60.30
6532	CG	ASN E		-19.246	-25.571	73.777	1.00	61.27
6533	OD1	ASN E		-19.333	-26.574	74.502	1.00	62.57
6534	ND2	ASN E		-19.503	-24.343	74.214	1.00	62.45
6535	C	ASN E		-18.652	-28.005	71.308	1.00	58.77
6536	0	ASN E		-19.642	-27.760	70.620	1.00	59.19
6537	N	SER E		-18.092	-29.197	71.421	1.00	57.46
6538	CA	SER E		-18.703	-30.416	70.970	1.00	56.01
6539	CB	SER E		-17.907	-31.039	69.826	1.00	56.07
6540	OG	SER E		-16.517	-31.116	70.123	1.00	56.11
6541	С	SER E		-18.569	-31.213	72.262	1.00	55.06
6542	0	SER E		-19.113	-32.303	72.415	1.00	54.84
6543	N	THR E		-17.836	-30.618	73.202	1.00	53.88
6544	CA	THR E		-17.585	-31.215	74.509	1.00	53.38
6545	CB	THR E		-16.723	-30.287	75.380	1.00	53.52
6546	0G1	THR E		-15.492	-29.980	74.710	1.00	54.39
6547 6548	CG2	THR E		-16.279 -18.858	-31.019 -31.530	76.639 75.280	1.00	52.84
6549	C	THR E		-18.966	-31.530	75.280	1.00	52.69 52.90
6550	N	PHE E		-19.814	-30.607	75.269	1.00	51.44
6551	CA	PHE E		-21.051	-30.820	76.005	1.00	50.59
6552	CB	PHE E		-21.206	-29.792	77.136	1.00	50.28
6553	CG	PHE E		-19.956	-29.565	77.920	1.00	48.47
6554	CD1	PHE E		-19.556	-30.466	78.890	1.00	47.69
6555	CE1	PHE E		-18.394	-30.261	79.602	1.00	46.18
6556	CZ	PHE E		-17.622	-29.155	79.347	1.00	45.66
6557	CE2	PHE E		-18.014	-28.248	78.379	1.00	46.23
6558	CD2	PHE E		-19.170	-28.457	77.675	1.00	46.14
6559	С	PHE E		-22.300	-30.818	75.126	1.00	50.46
6560	ō	PHE E		-23.347	-30.320	75.538	1.00	50.05
6561	N	ASP E	3 70	-22.216	-31.380	73.925	1.00	50.30
6562	CA	ASP E	3 70	-23.421	-31.439	73.103	1.00	50.14
6563	CB	ASP E	3 70	-23.127	-31.302	71.611	1.00	50.21
6564	CG	ASP E	3 70	-22.075	-32.249	71.140	1.00	50.56
6565	OD1	ASP E	3 70	-21.477	-31.992	70.065	1.00	51.10
6566	OD2	ASP E	3 70	-21.787	-33.283	71.773	1.00	51.39
6567	C	ASP E		-24.263	-32.666	73.439	1.00	49.78
6568	0	ASP E		-25.246	-32.959	72.772	1.00	49.79
6569	N	GLU E	3 71	-23.864	-33.362	74.499	1.00	49.75

FIGURE 3 DY

A	В	C D	Е	F	G	H	I	J
6570	CA	GLU B	71	-24.624	-34.478	75.050	1.00	49.63
6571	CB	GLU B	71	-23.788	-35.753	75.098	1.00	49.75
6572	CG	GLU B	71	-23.403	-36.345	73.757	1.00	50.10
6573	CD	GLU B	71	-23.161	-37.839	73.867	1.00	50.97
6574	OE1	GLU B	71	-22.363	-38.252	74.739	1.00	50.52
6575	OE2	GLU B	71	-23.784	-38.602	73.095	1.00	51.93
6576	C	GLU B	71	-24.996	-34.103	76.479	1.00	49.34
6577	0	GLU B	71	-25.487		77.247	1.00	49.41
6578	N	PHE B	72	-24.736	-32.856	76.844	1.00	48.96
6579	CA	PHE B	72	-25.026	-32.391	78.194	1.00	48.61
6580	CB	PHE B	72	-24.496	-30.976	78.397	1.00	48.58
6581	CG	PHE B	72	-24.533	-30.534	79.814	1.00	48.54
6582	CD1	PHE B	72	-23.728	-31.149	80.756	1.00	48.14
6583	CE1 CZ	PHE B	72 72	-23.758 -24.609	-30.754 -29.739	82.060	1.00	48.48
6584			72	-24.609	-29.739	82.454 81.528	1.00	49.56
6585 6586	CE2 CD2	PHE B	72	-25.383	-29.119	80.214	1.00	48.92 48.44
6587	C C	PHE B	72	-26.512	-32.472	78.568	1.00	48.44
6588	Ö	PHE B	72	-26.853	-32.472	79.704	1.00	48.48
6589	N	GLY B	73	-27.393	-32.167	77.620	1.00	48.19
6590	CA	GLY B	73	-28.821	-32.283	77.859	1.00	48.01
6591	C	GLY B	73	-29.558	-30.962	78.005	1.00	47.98
6592	Ö	GLY B	73	-30.791	-30.921	78.038	1.00	47.82
6593	N	HIS B	74	-28.805	-29.874	78.112	1.00	47.47
6594	CA	HIS B	74	-29.419		78.248	1.00	47.23
6595	CB	HIS B	74	-29.604		79.726	1.00	47.25
6596	CG	HIS B	74	-29.614		80.626	1.00	46.37
6597	ND1	HIS B	74	-30.766	-29.894	81.203	1.00	45.82
6598	CE1	HIS B	74	-30.473	-30.956	81.932	1.00	46.66
6599	NE2	HIS B	74	-29.171	-31.173	81.850	1.00	47.57
6600	CD2	HIS B	74	-28.611	-30.216	81.038	1.00	46.71
6601	C	HIS B	74	-28.451	-27.600	77.631	1.00	46.90
6602	0	HIS B	74	-27.282	-27.940	77.447	1.00	46.76
6603	N	SER B	75	-28.920	-26.404	77.305	1.00	46.46
6604	CA	SER B	75	-28.026	-25.408	76.738	1.00	46.32
6605	CB	SER B	75	-28.785	-24.375	75.902	1.00	46.54
6606	OG	SER B	75	-29.882	-23.847	76.622	1.00	47.39
6607	С	SER B	75	-27.268	-24.732	77.872	1.00	46.25
6608	0	SER B	75	-27.832	-24.414	78.933	1.00	45.78
6609	N	ILE B	76	-25.985	-24.512	77.631	1.00	45.86
6610	CA	ILE B	76	-25.103	-23.945	78.618	1.00	45.54
6611 6612	CB CG1	ILE B	76 76	-23.717 -23.835	-24.560 -26.080	78.426 78.591	1.00	45.97 45.17
6613	CD1	ILE B	76	-22.548	-26.771	78.905	1.00	44.42
6614	CG2	ILE B	76	-22.693		79.386	1.00	45.71
6615	C	ILE B	76	-25.096	-22.432	78.520	1.00	45.32
6616	Ô	ILE B	76	-24.657	-21.862	77.525	1.00	45.21
6617	N	ASN B	77	-25.608	-21.779	79.561	1.00	44.93
6618	CA	ASN B	77	-25.697	-20.332	79.556	1.00	44.21
6619	CB	ASN B	77		-19.827	80.652	1.00	44.24
6620	CG	ASN B	77		-18.376	80.453	1.00	45.26

FIGURE 3 DZ

A	В	С	D	Е		F	G	H	I	J
6621	OD1	ASN	В	77	-27.	574	-18.024	79.439	1.00	46.47
6622	ND2	ASN	В	77	-26.	574	-17.515	81.390	1.00	45.50
6623	C	ASN		77	-24.		-19.649	79.697	1.00	43.73
6624	ō	ASN		77	-24.		-18.705	78.983	1.00	43.48
6625	N	ASP		78	-23.		-20.120	80.640	1.00	43.45
6626	CA	ASP		78	-22.		-19.525	80.864	1.00	43.13
6627	CB	ASP		78	-22.		-18.321	81.797	1.00	43.38
6628	CG	ASP		78	-21.		-17.230	81.458	1.00	43.83
6629	OD1	ASP		78	-20.		-17.544	81.076	1.00	46.49
6630	OD2	ASP		78	-21.		-16.022	81.507	1.00	47.24
6631	C	ASP		78	-21.		-20.559	81.455	1.00	42.89
6632	0	ASP		78	-21.		-21.673	81.776	1.00	43.02
6633	N	TYR		79	-21.		-20.201	81.571	1.00	42.54
6634	CA	TYR		79	-19.		-21.116	82.128	1.00	42.96
6635	CB	TYR		79	-19.		-21.116	81.032	1.00	42.90
					-17.			80.273	1.00	
6636	CG	TYR		79			-20.992			44.00
6637	CD1	TYR		79 79	-17.		-20.393	79.074	1.00	45.46
6638	CE1	TYR			-16.		-19.560	78.384	1.00	45.52
6639	CZ	TYR		79	-15.		-19.310	78.903	1.00	45.23
6640	OH	TYR		79	-14.		-18.484	78.237	1.00	46.02
6641	CE2	TYR		79	-15.		-19.890	80.085	1.00	45.28
6642	CD2	TYR		79	-16.		-20.723	80.761	1.00	44.62
6643	C	TYR		79	-18.		-20.313	82.965	1.00	42.84
6644	0	TYR		79	-17.		-19.115	82.738	1.00	42.71
6645	N	SER		80	-17.		-20.969	83.956	1.00	42.90
6646	CA	SER		80	-16.		-20.299	84.798	1.00	43.31
6647	CB	SER		80	-17.		-19.882	86.122	1.00	42.93
6648	OG	SER		80	-16.		-19.122	86.845	1.00	43.95
6649	С	SER		80	-15.		-21.211	85.040	1.00	43.25
6650	0	SER		80	-15.		-22.303	85.566	1.00	43.48
6651	N	ILE	В	81	-14.		-20.744	84.666	1.00	43.80
6652	CA	ILE		81	-13.		-21.550	84.817	1.00	44.61
6653	CB	ILE		81	-12.		-21.418	83.580	1.00	44.62
6654	CG1	ILE		81	-12.		-22.074	82.391	1.00	45.63
6655	CD1	ILE		81	-12.		-21.598	81.025	1.00	48.10
6656	CG2	ILE		81	-10.		-22.138	83.811	1.00	45.52
6657	C	ILE		81	-12.		-21.291	86.125	1.00	44.73
6658	0	ILE		81	-12.		-20.158	86.464	1.00	44.33
6659	N	SER		82	-12.		-22.381	86.866	1.00	45.06
6660	CA	SER		82	-11.		-22.434	88.085	1.00	45.20
6661	CB	SER		82	-11.		-23.899	88.377	1.00	44.99
6662	OG	SER		82	-10.		-24.031	89.520	1.00	47.54
6663	С	SER		82	-10.		-21.672	87.890	1.00	44.93
6664	0	SER		82	-9.		-21.833	86.869	1.00	44.86
6665	N	PRO		83	-9.		-20.849	88.864	1.00	44.77
6666	CA	PRO		83	-8.		-20.037	88.756	1.00	44.56
6667	CB	PRO		83	-8.		-19.335	90.118	1.00	44.46
6668	CG	PRO		83	-9.		-19.422	90.691	1.00	44.29
6669	CD	PRO		83	-10.		-20.648	90.148	1.00	44.70
6670	С	PRO		83	-7.		-20.897	88.554	1.00	44.43
6671	0	PRO	В	83	-6.	257	-20.434	87.984	1.00	44.18

FIGURE 3 EA

A	В	С	D	Е	F	G	H	I	J
6672	N	ASP	В	84	-7.290	-22.137	89.023	1.00	44.38
6673	CA	ASP	В	84	-6.131	-23.010	88.852	1.00	44.64
6674	CB	ASP		84	-5.999	-23.998	90.007	1.00	44.39
6675	CG	ASP	В	84	-7.167	-24.944	90.091	1.00	45.05
6676	OD1	ASP		84	-8.038	-24.872	89.206	1.00	46.59
6677	OD2	ASP		84	-7.305	-25.791	90.998	1.00	45.80
6678	C	ASP		84	-6.214	-23.744	87.520	1.00	44.63
6679	o	ASP		84	-5.338	-24.529	87.190	1.00	44.63
6680	N	GLY	В	85	-7.272	-23.471	86.760	1.00	44.63
6681	CA	GLY	В	85	-7.465	-24.078	85.453	1.00	44.80
6682	C	GLY	В	85	-7.745	-25.573	85.485	1.00	45.07
6683	0	GLY	В	85	-7.631	-26.239	84.455	1.00	45.53
6684	N	GLN	В	86	-8.115	-26.100	86.653	1.00	44.42
6685	CA	GLN	В	86	-8.384	-27.524	86.805	1.00	44.00
6686	CB	GLN	В	86	-7.959	-27.995	88.198	1.00	44.18
6687	CG	GLN	В	86	-6.464	-27.868	88.466	1.00	44.95
6688	CD	GLN	В	86	-6.044	-28.519	89.772	1.00	46.30
6689	OE1	GLN	В	86	-6.805	-29.304	90.353	1.00	47.20
6690	NE2	GLN	В	86	-4.834	-28.200	90.239	1.00	45.35
6691	C	GLN	В	86	-9.849	-27.901	86.566	1.00	43.84
6692	0	GLN	В	86	-10.165	-29.024	86.140	1.00	43.25
6693	N	PHE	В	87	-10.750	-26.965	86.837	1.00	43.39
6694	CA	PHE	В	87	-12.166	-27.251	86.687	1.00	43.01
6695	CB	PHE	В	87	-12.822	-27.432	88.060	1.00	43.23
6696	CG	PHE	В	87	-12.291	-28.599	88.840	1.00	43.82
6697	CD1	PHE	В	87	-12.865	-29.850	88.709	1.00	43.21
6698	CE1	PHE	В	87	-12.386	-30.920	89.427	1.00	44.46
6699	CZ	PHE	В	87	-11.314	-30.759	90.287	1.00	43.15
6700	CE2	PHE	В	87	-10.735	-29.523	90.428	1.00	43.96
6701	CD2	PHE	В	87	-11.224	-28.444	89.709	1.00	43.67
6702	С	PHE	В	87	-12.906	-26.161	85.945	1.00	42.92
6703	0	PHE	В	87	-12.451	-25.018	85.846	1.00	42.77
6704	N	ILE	В	88	-14.074	-26.521	85.436	1.00	42.65
6705	CA	ILE	В	88	-14.914	-25.560	84.770	1.00	42.40
6706	CB	ILE	В	88	-14.816	-25.705	83.247	1.00	42.76
6707	CG1	ILE	В	88	-15.921	-24.882	82.576	1.00	43.27
6708	CD1	ILE		88	-15.661	-24.609	81.115	1.00	43.05
6709	CG2	ILE		88	-14.948	-27.143	82.845	1.00	42.96
6710	C	ILE	В	88	-16.339	-25.723	85.267	1.00	41.86
6711	0	ILE		88	-16.853	-26.835	85.410	1.00	41.80
6712	N	LEU	В	89	-16.960	-24.601	85.583	1.00	41.05
6713	CA	LEU		89	-18.324	-24.617	86.064	1.00	40.03
6714	CB	LEU		89	-18.508	-23.552	87.141	1.00	40.27
6715	CG	LEU	В	89	-19.862	-23.487	87.831	1.00	40.26
6716	CD1	LEU		89	-19.981	-22.168	88.553	1.00	41.65
6717	CD2	LEU	В	89	-20.041	-24.645	88.799	1.00	39.37
6718	C	LEU		89	-19.227	-24.319	84.889	1.00	39.65
6719	0	LEU	В	89	-19.009	-23.355	84.160	1.00	38.91
6720	N	LEU	В	90	-20.232	-25.160	84.697	1.00	39.35
6721	CA	LEU	В	90	-21.187	-24.955	83.635	1.00	39.46
6722	CB	LEU	В	90	-21.404	-26.247	82.845	1.00	39.49

FIGURE 3 EB

A	В	C I	E	F	G	H	I	J
6723	CG	LEU E	90	-20.114	-26.900	82.323	1.00	40.77
6724	CD1	LEU E			-28.380	82.030	1.00	41.95
6725	CD2	LEU E		-19.583	-26.185	81.088	1.00	41.64
6726	C	LEU E		-22.490	-24.458	84.232	1.00	39.06
6727	0	LEU E		-23.051	-25.067	85.142	1.00	39.14
6728	N	GLU E		-22.965	-23.335	83.721	1.00	38.70
6729	CA	GLU E		-24.212	-22.751	84.196	1.00	38.30
6730	CB	GLU E	91	-24.028	-21.242	84.349	1.00	37.90
6731	CG	GLU E	91	-25.179	-20.482	84.977	1.00	37.84
6732	CD	GLU E	91	-24.851	-19.007	85.130	1.00	38.88
6733	OE1	GLU E	91	-25.310	-18.200	84.279	1.00	39.94
6734	OE2	GLU E	91	-24.127	-18.656	86.092	1.00	37.39
6735	C	GLU E	91	-25.326	-23.063	83.201	1.00	37.98
6736	0	GLU E		-25.174	-22.818	82.007	1.00	38.03
6737	N	TYR E		-26.423	-23.635	83.693	1.00	37.65
6738	CA	TYR E	92	-27.590	-23.931	82.862	1.00	37.66
6739	CB	TYR E		-27.513	-25.332	82.232	1.00	37.50
6740	CG	TYR E		-27.540	-26.511	83.182	1.00	36.81
6741	CD1	TYR E		-26.466	-26.779	84.016	1.00	36.25
6742	CE1	TYR E		-26.486	-27.871	84.870	1.00	37.27
6743	CZ	TYR E		-27.586	-28.708	84.887	1.00	36.87
6744	OH	TYR E		-27.602	-29.787	85.745	1.00	37.50
6745	CE2	TYR E		-28.662	-28.468	84.049	1.00	35.25
6746	CD2	TYR E		-28.632	-27.380	83.209	1.00	35.06
6747	C	TYR E		-28.911	-23.702	83.608	1.00	37.66
6748	0	TYR E		-28.907		84.790	1.00	37.77
6749	N	ASN E		-30.028	-23.875	82.913	1.00	38.10
6750	CA	ASN E		-31.357	-23.557	83.451	1.00	38.81
6751	CB	ASN E		-31.871	-24.624 -25.913	84.420	1.00	39.42
6752 6753	CG OD1	ASN E		-32.278 -32.194	-25.913	83.716	1.00	40.81
6754	ND2	ASN E		-32.711	-26.892	82.491 84.490	1.00	40.78
6755	C	ASN E		-31.394	-20.092	84.099	1.00	38.86
6756	0	ASN E		-32.037	-21.948	85.137	1.00	39.17
6757	N	TYR E		-30.686	-21.243	83.464	1.00	38.00
6758	CA	TYR E		-30.645	-19.861	83.856	1.00	37.85
6759	CB	TYR E		-29.830		82.822	1.00	37.50
6760	CG	TYR E		-29.996	-17.591	82.885	1.00	37.18
6761	CD1	TYR E		-29.226	-16.832	83.760	1.00	35.96
6762	CE1	TYR E			-15.461	83.831	1.00	34.63
6763	CZ	TYR E		-30.263	-14.825	83.021	1.00	34.93
6764	OH	TYR E		-30.358	-13.454	83.112	1.00	36.76
6765	CE2	TYR E	94	-31.052	-15.549	82.126	1.00	34.11
6766	CD2	TYR E		-30.912	-16.929	82.064	1.00	35.21
6767	C	TYR E	94	-32.059	-19.294	83.923	1.00	37.99
6768	0	TYR E	94	-32.809	-19.377	82.952	1.00	38.37
6769	N	VAL E	95	-32.427	-18.748	85.081	1.00	37.75
6770	CA	VAL E	95	-33.712	-18.077	85.251	1.00	37.49
6771	CB	VAL E		-34.715	-18.902	86.100	1.00	37.70
6772	CG1	VAL E			-18.167	86.237	1.00	37.67
6773	CG2	VAL E	95	-34.960	-20.290	85.471	1.00	37.86

FIGURE 3 EC

A	В	С	D	Е	F	G	Н	I	J
6774	С	VAL	В	95	-33.419	-16.716	85.885	1.00	37.08
6775	ō	VAL		95	-33.012	-16.627	87.046	1.00	37.66
6776	N	LYS		96	-33.583	-15.663	85.097	1.00	36.23
6777	CA	LYS		96	-33.286	-14.309	85.554	1.00	35.28
6778	CB	LYS	В	96	-33.368	-13.312	84.392	1.00	35.17
6779	CG	LYS	В	96	-33.139	-11.886	84.831	1.00	35.12
6780	CD	LYS	В	96	-33.255	-10.901	83.677	1.00	36.00
6781	CE	LYS		96	-33.274	-9.465	84.177	1.00	35.60
6782	NZ	LYS		96	-34.266	-9.245	85.303	1.00	33.79
6783	C	LYS		96	-34.190	-13.831	86.676	1.00	34.41
6784	0		В	96	-35.374	-14.163	86.721	1.00	34.08
6785	N	GLN		97	-33.608	-13.074	87.600	1.00	33.47
6786	CA	GLN		97	-34.378	-12.439	88.655	1.00	32.58
6787	CB	GLN		97	-33.836	-12.785	90.027	1.00	32.88
6788	CG	GLN		97 97	-34.818 -34.220	-12.535	91.138	1.00	35.20
6789	CD	GLN				-12.791	92.519	1.00	38.14
6790 6791	OE1 NE2	GLN		97 97	-33.020	-13.460 -12.250	93.339 92.776	1.00	39.28
6792	C	GLN		97	-34.312	-10.945	88.410	1.00	31.47
6793	o	GLN		97	-34.973	-10.451	87.516	1.00	30.40
6794	N	TRP		98	-33.485	-10.225	89.166	1.00	30.46
6795	CA	TRP		98	-33.424	-8.785	88.967	1.00	29.28
6796	CB	TRP		98	-33.297	-8.019	90.281	1.00	28.77
6797	CG	TRP		98	-34.248	-8.527	91.306	1.00	26.51
6798	CD1	TRP		98	-33.959	-8.854	92.601	1.00	26.16
6799	NE1	TRP		98	-35.079	-9.340	93.228		26.15
6800	CE2	TRP		98	-36.128	-9.317	92.345	1.00	23.81
6801	CD2	TRP		98	-35.638	-8.826	91.121		24.92
6802	CE3	TRP	В	98	-36.523	-8.722	90.042	1.00	22.52
6803	CZ3	TRP	В	98	-37.826	-9.097	90.222	1.00	22.86
6804	CH2	TRP	В	98	-38.283	-9.577	91.456	1.00	22.77
6805	CZ2	TRP		98	-37.449	-9.693	92.522	1.00	23.43
6806	С	TRP		98	-32.365	-8.427	87.951		29.53
6807	0	TRP		98	-32.213	-9.127	86.955	1.00	29.73
6808	N	ARG		99	-31.652	-7.333	88.168	1.00	29.39
6809	CA	ARG		99	-30.689	-6.910	87.182	1.00	29.98
6810	CB	ARG		99	-30.312	-5.467	87.417	1.00	30.83
6811	CG	ARG		99	-29.466	-4.866	86.315	1.00	31.29
6812	CD	ARG		99	-28.821	-3.579	86.759	1.00	33.85
6813 6814	NE CZ	ARG		99 99	-29.819 -30.299	-2.565 -1.733	87.063 86.152	1.00	35.27
6815	NH1	ARG		99	-30.299	-1.733	84.897	1.00	36.76
6816	NH2	ARG		99	-31.207	-0.812	86.483	1.00	34.65
6817	C	ARG		99	-29.428	-7.755	87.182	1.00	30.65
6818	0	ARG		99	-28.776	-7.897	86.138	1.00	30.42
6819	N	HIS		100	-29.068	-8.302	88.348	1.00	30.42
6820	CA		В	100	-27.835	-9.080	88.446	1.00	30.33
6821	CB	HIS		100	-26.832	-8.458	89.439	1.00	29.88
6822	CG		В	100	-26.496	-7.031	89.151	1.00	30.52
6823	ND1	HIS	В	100	-25.635	-6.657	88.142	1.00	31.38
6824	CE1	HIS	В	100	-25.526	-5.338	88.124	1.00	30.86

FIGURE 3ED

A	В	C D	E	F	G	H	I	J
COOF	NEG	HTO D	120	26 204	4 044	00 007	1 00	20.20
6825	NE2	HIS B		-26.284		89.087	1.00	30.38
6826	CD2	HIS B		-26.903	-5.881	89.744	1.00	30.25
6827	C	HIS B		-28.152	-10.479	88.890	1.00	30.15
6828	0	HIS B		-27.505	-11.423	88.467	1.00	30.34
6829	N	SER B		-29.149	-10.603	89.753	1.00	30.24
6830	CA	SER B		-29.505	-11.889	90.311	1.00	30.82
6831	CB	SER B			-11.711	91.531	1.00	30.55
6832	OG	SER B		-31.571	-10.973	91.193	1.00	31.73
6833	C	SER B		-30.205		89.313	1.00	31.14
6834	0	SER B		-30.886	-12.347	88.393	1.00	30.27
6835	N	TYR B			-14.097	89.536	1.00	32.33
6836	CA	TYR B			-15.117	88.726	1.00	33.64
6837	CB	TYR B		-30.112	-15.152	87.308	1.00	33.16
6838	CG	TYR B			-15.523	87.213	1.00	32.32
6839	CD1	TYR B			-16.854	87.199	1.00	31.87
6840	CE1	TYR B			-17.191	87.082	1.00	31.29
6841	CZ	TYR B			-16.189	86.985	1.00	31.61
6842	OH	TYR B	140	-24.636	-16.496	86.884	1.00	33.08
6843	CE2	TYR B	140	-26.350	-14.867	86.990	1.00	31.84
6844	CD2	TYR B	140	-27.679	-14.539	87.107	1.00	31.76
6845	C	TYR B	140	-30.451		89.376	1.00	34.99
6846	0	TYR B	140	-29.503	-16.636	90.138	1.00	35.19
6847	N	THR B	141	-31.333	-17.386	89.053	1.00	35.94
6848	CA	THR B	141	-31.259	-18.732	89.557	1.00	37.26
6849	CB	THR B	141	-32.659	-19.120	90.044	1.00	37.50
6850	OG1	THR B	141	-32.692	-18.991	91.474	1.00	39.59
6851	CG2	THR B	141	-32.936	-20.568	89.817	1.00	37.87
6852	C	THR B	141	-30.711	-19.665	88.458	1.00	37.49
6853	0	THR B	141	-30.814	-19.348	87.269	1.00	37.12
6854	N	ALA B	142	-30.094	-20.785	88.845	1.00	37.83
6855	CA	ALA B	142	-29.508	-21.679	87.849	1.00	38.47
6856	CB	ALA B	142	-28.405	-20.973	87.096	1.00	38.13
6857	C	ALA B	142	-28.981	-23.002	88.376	1.00	39.12
6858	0	ALA B	142	-28.700	-23.158	89.569	1.00	40.13
6859	N	SER B	143	-28.844	-23.958	87.463	1.00	39.45
6860	CA	SER B	143	-28.279	-25.265	87.784	1.00	38.93
6861	CB	SER B	143	-28.967	-26.388	87.000	1.00	38.72
6862	OG	SER B	143	-30.289	-26.612	87.469	1.00	37.35
6863	C	SER B	143	-26.812	-25.186	87.430	1.00	39.17
6864	0	SER B		-26.407		86.644	1.00	38.98
6865	N	TYR B	144	-26.017		88.030	1.00	39.50
6866	CA	TYR B		-24.587	-26.032	87.826	1.00	40.02
6867	CB	TYR B	144	-23.906	-25.222	88.939	1.00	39.62
6868	CG	TYR B	144	-24.238	-23.756	88.900	1.00	37.80
6869	CD1	TYR B		-25.313	-23.249	89.613	1.00	35.67
6870	CE1	TYR B		-25.624		89.563	1.00	34.50
6871	CZ	TYR B	144	-24.861		88.782	1.00	34.06
6872	OH	TYR B		-25.145		88.730	1.00	36.54
6873	CE2	TYR B		-23.805		88.064	1.00	35.43
6874	CD2	TYR B			-22.887	88.117	1.00	36.64
6875	C	TYR B			-27.418	87.828		40.90

FIGURE 3 EE

A	В	C D	E	F	G	H	I	J
6876	0	TYR B		-24.373		88.614	1.00	40.67
6877	N	ASP B				86.926	1.00	
6878	CA	ASP B		-22.315	-28.867	86.957		43.53
6879	CB	ASP B		-22.827	-29.878	85.936	1.00	43.46
6880	CG	ASP B		-24.093	-30.557	86.412	1.00	44.94
6881	OD1	ASP B		-23.981	-31.578	87.121	1.00	46.31
6882	OD2	ASP B		-25.245	-30.121	86.176	1.00	46.24
6883	C	ASP B		-20.869	-28.474	86.785		44.26
6884	0	ASP B			-27.418	86.240	1.00	44.38
6885	N	ILE B		-19.998	-29.304	87.324	1.00	45.38
6886	CA	ILE B		-18.583	-29.033	87.323	1.00	46.41
6887	CB	ILE B		-18.060		88.771	1.00	46.40
6888	CG1	ILE B		-18.833	-28.147	89.671	1.00	
6889	CD1	ILE B		-18.561	-28.314	91.151	1.00	44.16
6890	CG2	ILE B		-16.566	-28.900	88.811	1.00	45.32
6891	C	ILE B		-17.921	-30.080	86.460	1.00	47.16
6892	0	ILE B		-18.187	-31.264	86.609	1.00	47.27
6893	N	TYR B		-17.072	-29.632	85.550	1.00	48.10
6894	CA	TYR B		-16.373	-30.529	84.655	1.00	49.27
6895	CB	TYR B		-16.543	-30.057	83.207	1.00	49.41
6896	CG	TYR B		-16.012	-31.006	82.156	1.00	49.74
6897	CD1	TYR B		-16.617	-32.232	81.928	1.00	50.27
6898	CE1	TYR B		-16.143	-33.098	80.968	1.00	50.21
6899	CZ	TYR B		-15.052	-32.742	80.213	1.00	50.72
6900	OH	TYR B		-14.575	-33.604	79.255	1.00	51.51
6901	CE2	TYR B		-14.435	-31.529	80.410	1.00	51.16
6902	CD2	TYR B		-14.917	-30.667	81.380	1.00	50.92
6903	C	TYR B		-14.902	-30.554	85.023	1.00	50.04
6904	0	TYR B		-14.260	-29.504	85.144	1.00	49.43
6905	N	ASP B		-14.382	-31.762	85.217	1.00	51.21
6906	CA	ASP B		-12.966	-31.953	85.498	1.00	52.87
6907	CB	ASP B			-33.336	86.108		53.03
6908	CG	ASP B		-11.404	-33.455	86.801	1.00	
6909	OD1	ASP B		-10.387	-33.066	86.185	1.00	52.39
6910	OD2	ASP B		-11.276	-33.931	87.953	1.00	52.82
6911	C	ASP B		-12.228	-31.823	84.170	1.00	53.82
6912	0	ASP B		-12.520	-32.564	83.241	1.00	54.01
6913	N	LEU B		-11.296	-30.878	84.071	1.00	55.10
6914	CA	LEU B		-10.588	-30.636	82.813	1.00	56.51
6915	CB	LEU B		-9.883	-29.279	82.828	1.00	56.48
6916	CG	LEU B		-10.773	-28.033	82.785	1.00	56.39
6917	CD1	LEU B		-11.350	-27.840	81.411	1.00	55.96
6918	CD2	LEU B		-9.981	-26.811	83.194	1.00	56.60
6919	С	LEU B		-9.580	-31.711	82.450		57.82
6920	0	LEU B		-9.385	-32.009	81.270	1.00	58.49
6921	N	ASN B		-8.918	-32.280	83.451	1.00	59.18
6922	CA	ASN B		-7.915	-33.303	83.172	1.00	60.19
6923	CB	ASN B		-6.714	-33.190	84.117	1.00	60.53
6924	CG	ASN B		-5.614	-32.284	83.556	1.00	62.30
6925	OD1	ASN B		-4.745	-32.736	82.791		62.20
6926	ND2	ASN B	150	-5.649	-30.997	83.930	1.00	63.29

FIGURE 3 EF

A	В	С	D	E	F	G	H	I	J
6927	С	ASN	R	112	-8 495	-34.715	83.115	1 00	60.34
6928	o	ASN		112		-35.511	82.264	1.00	60.68
6929	N	LYS				-35.035	84.008	1.00	60.48
6930	CA	LYS				-36.313	83.905	1.00	60.64
6931	CB	LYS				-36.657	85.205	1.00	60.83
6932	CG	LYS			-10.004		86.413	1.00	62.13
6933	CD	LYS				-37.688	87.465	1.00	64.05
6934	CE	LYS		113		-37.589	88.902	1.00	66.34
6935	NZ	LYS				-38.801	89.354	1.00	67.59
6936	С	LYS		113	-11.191	-36.148	82.832	1.00	60.46
6937	0	LYS	В	113	-11.993	-37.053	82.601	1.00	60.41
6938	N	ARG	В	114	-11.190		82.165	1.00	60.17
6939	CA	ARG	В	114	-12.316	-34.606	81.314	1.00	60.11
6940	CB	ARG	В	114	-11.994	-34.453	79.816	1.00	60.21
6941	CG	ARG	В	114	-10.813	-35.185	79.235	1.00	61.19
6942	CD	ARG	В	114	-10.360	-34.544	77.918	1.00	62.98
6943	NE	ARG	В	114	-11.468	-33.807	77.302	1.00	64.76
6944	CZ	ARG	В	114	-11.630	-32.481	77.350	1.00	65.35
6945	NH1	ARG	В	114	-10.744	-31.708	77.969	1.00	66.06
6946	NH2	ARG	В	114	-12.685	-31.923	76.771	1.00	64.96
6947	C	ARG	В	114	-13.610	-35.388	81.568	1.00	59.77
6948	0	ARG	В	114	-14.127	-36.073	80.692	1.00	59.60
6949	N	GLN	В	115	-14.136	-35.246	82.780	1.00	59.44
6950	CA	GLN			-15.370		83.165	1.00	59.28
6951	CB	GLN	В	115		-37.228	83.892	1.00	59.10
6952	CG	GLN			-15.056		82.967	1.00	59.99
6953	CD	GLN			-14.836		83.704	1.00	60.27
6954	OE1	GLN		115	-14.169		84.747	1.00	58.63
6955	NE2	GLN		115		-40.829	83.164	1.00	60.16
6956	С	GLN			-16.287	-35.036	84.009	1.00	58.99
6957	0	GLN		115	-15.839		84.739	1.00	59.02
6958	N	LEU			-17.581	-35.297	83.903	1.00	58.68
6959	CA	LEU			-18.575	-34.542	84.632	1.00	58.46
6960	CB	LEU		116	-19.923		83.942	1.00	58.33
6961	CG	LEU		116	-20.862	-33.510	83.813	1.00	58.73
6962	CD1	LEU		116	-21.899		82.741	1.00	57.81
6963	CD2	LEU			-20.089		83.466	1.00	57.82
6964	С	LEU		116	-18.666		86.054	1.00	58.39
6965	0	LEU		116	-19.117		86.274	1.00	58.73
6966	N	ILE		117	-18.229	-34.293	87.032	1.00	57.82
6967	CA			117	-18.391	-34.772	88.391	1.00	57.41
6968	CB	ILE			-18.017 -16.519	-33.702 -33.757	89.414	1.00	57.29 57.24
6969 6970	CG1	ILE				-33.757	89.702	1.00	
	CD1	ILE			-15.655		88.533		56.98
6971 6972	CG2	ILE		117	-18.786 -19.858	-33.919 -35.143	90.706	1.00	56.69 57.25
6973	C	ILE			-19.858		88.508 88.128	1.00	57.25
6974	N	THR		118	-20.719		88.989	1.00	57.01
6975	CA	THR				-36.788	89.134	1.00	56.55
6976	CB	THR		118	-21.532	-38.055	88.312	1.00	56.71
6977	OG1	THR			-20.921		88.771		56.05
05//	001	THE	D	110	-20.921	-39.100	00.//1	1.00	50.05

FIGURE 3 EG

6978 CG2 THR B 118 -21.387 -37.839 86.857 1.00 56.38 6979 C THR B 118 -21.827 -37.078 90.586 1.00 56.40 6980 O THR B 118 -22.855 -37.649 90.926 1.00 56.40 6981 N GUB B 119 -20.902 -36.694 91.448 1.00 56.00 6982 CA GUB B 119 -20.902 -36.694 91.448 1.00 56.00 6983 CB GLU B 119 -19.891 -37.765 93.396 1.00 56.17 6985 CB GLU B 119 -19.881 -37.765 93.396 1.00 56.17 6986 CB GLU B 119 -18.218 -39.614 92.501 1.00 57.93 6987 OEZ GLU B 119 -18.233 -40.844 93.130 1.00 60.51 6987 OEZ GLU B 119 -21.108 -35.570 93.569 1.00 54.29 6999 O GLU B 119 -22.041 -34.419 94.517 1.00 54.26 6999 O GLU B 120 -22.074 -34.198 95.304 1.00 54.29
6979 C C THR B 118 -21.827 -37.078 90.866 1.00 56.40 6980 O N GLU B 119 -22.859 -37.698 90.926 1.00 56.40 6981 N GLU B 119 -20.929 -36.694 91.448 1.00 56.70 6983 CB GLU B 119 -19.636 -36.923 92.668 1.00 56.79 6984 CG GLU B 119 -19.526 -38.945 92.500 1.00 56.79 6985 CD GLU B 119 -18.218 -39.614 92.891 1.00 60.54 6987 OE2 GLU B 119 -11.7174 -38.922 92.958 1.00 60.51 6988 C GLU B 119 -11.018 -35.570 93.269 1.00 55.02 6989 C GLU B 119 -21.108 -35.570 93.240 1.00 54.26 6991 CA GLU B 120 -20.744 -31.93 93.241 1.00 54.26 6992 CB GE GLU B 120 -20.765 -34.036 96.075 1.00 54.26 6993 CB GLU B 1
6980 O THR B 118 -22.859 -37.649 90.26 1.00 56.71 6981 N GUJ B 119 -20.902 -36.694 91.448 1.00 56.00 6982 CA GUJ B 119 -21.063 -36.923 92.868 1.00 56.07 6983 CB GUJ B 119 -19.891 -37.765 93.396 1.00 56.17 6985 CD GUJ B 119 -19.526 -38.945 92.500 1.00 56.17 6986 OB1 GUJ B 119 -17.174 -38.922 92.581 1.00 60.54 6987 OB2 GUJ B 119 -17.174 -38.922 92.581 1.00 60.54 6988 C C GUJ B 119 -17.174 -38.922 92.581 1.00 60.54 6989 C D GUJ B 119 -21.08 -35.70 93.569 1.00 50.26 6989 C D GUJ B 119 -21.08 -35.70 93.569 1.00 54.26 6990 N G GUJ B 120 -20.341 -34.673 93.240 1.00 54.89 6991 C A GUJ B 120 -22.076 -34.198 95.304 1.00 54.26 6992 C B GUJ B 120 -20.763 -34.643 97.469 1.00 54.26 6993 C G GUJ B 120 -22.076 -33.26 97.551 1.00 54.29 6995 C D
6981 N GUID B 119 -20.902 -36.694 91.448 1.00 56.00 6982 CA GUID B 119 -21.063 -36.923 92.868 1.00 56.00 6984 CG GUID B 119 -19.526 -38.945 92.500 1.00 57.93 6985 CD GUID B 119 -18.218 -39.614 92.591 1.00 60.54 6987 OEZ GUID B 119 -18.233 -40.844 93.130 1.00 60.51 6989 C GUID B 119 -11.7174 -38.922 92.958 1.00 60.51 6999 N GUID B 119 -21.108 -35.570 39.569 1.00 55.02 6991 CA GUID B 120 -22.074 -34.198 95.304 1.00 54.26 6991 CA GUID B 120 </td
6982 CA GUID B 119 -21.063 -36.923 92.868 1.00 55.83 6984 CG GUID B 119 -19.526 -38.945 92.500 1.00 57.93 6986 CD GUID B 119 -19.526 -38.945 92.500 1.00 57.93 6987 OEZ GUID B 119 -17.174 -38.922 92.581 1.00 60.54 6988 C GUID B 119 -11.744 -38.922 92.581 1.00 65.65 6989 O GUID B 119 -21.108 -35.570 93.569 1.00 55.02 6990 N GUID B 120 -22.014 -34.198 94.517 1.00 54.89 6991 CA GUID B 120 -22.066 93.40 1.00 56.02 6992 CB GUID B 120 -22.067
6983 CB GUI B 119 -19.891 -37.765 93.396 1.00 56.17 6985 CD GUI B 119 -19.826 -38.945 92.500 1.00 57.93 6986 OEI GUI B 119 -18.218 -39.614 92.891 1.00 60.54 6987 OEZ GUI B 119 -18.233 -40.844 93.130 1.00 55.02 6989 C GUI B 119 -20.341 -34.673 39.240 1.00 55.02 6991 C GUI B 120 -22.041 -35.419 94.517 1.00 54.26 6991 C GUI B 120 -22.074 -34.198 95.304 1.00 54.26 6991 C GUI B 120 -20.765 -34.036 96.075 1.00 54.29 6993 CG GUI B 120
6985 CD GJU B 119 -118.218 - 39.614 92.891 1.00 60.54 6986 OEZ GJU B 119 -17.174 - 38.922 92.958 1.00 60.51 6987 OEZ GJU B 119 -17.174 - 38.922 92.958 1.00 60.51 6988 C GJU B 119 -21.108 - 35.570 93.569 1.00 54.89 6980 O GLU B 120 -22.021 - 35.419 94.517 1.00 54.26 6991 CA GLU B 120 -22.074 - 34.198 95.304 1.00 54.26 6993 CG GLU B 120 -22.074 - 34.198 95.304 1.00 54.29 6993 CG GLU B 120 -20.765 - 34.036 96.075 1.00 54.29 6995 CB GLU B 120 -22.076 - 34.036 97.451 1.00 54.29 6995 CB GLU B 120 -22.065 - 35.326 97.851 1.00 56.53 6996 CE GLU B 120 -22.1706 - 31.922 94.641 1.00 52.9 6997 C GLU B 120 -22.32129 - 34.659 97.8
6986 OE1 GUB B 119 -17.174 -38.922 92.958 1.00 60.51 6987 OE2 GUB B 119 -18.233 -40.844 93.130 1.00 62.65 6988 C GUB B 119 -21.108 -35.570 93.569 1.00 55.02 6990 N GUB B 120 -22.014 -34.673 93.240 1.00 54.89 6991 CA GUB B 120 -22.074 -34.198 95.304 1.00 54.89 6992 CB GUB B 120 -22.076 54.198 94.517 1.00 54.89 6993 CG GUB B 120 -22.076 54.419 94.517 1.00 56.02 6994 CD GUB B 120 -22.027 -36.523 99.266 1.00 58.50 6995 OE GUB B 120
6987 C GLU B 119 -18.233 -40.844 93.130 1.00 62.65 6988 C GLU B 119 -20.341 -34.673 93.569 1.00 55.02 6999 O GLU B 119 -20.341 -34.673 93.240 1.00 54.89 6991 CA GLU B 120 -22.021 -35.419 94.517 1.00 54.26 6992 CB GLU B 120 -22.074 -34.198 95.304 1.00 54.26 6993 CG GLU B 120 -20.765 -34.036 97.5 1.00 54.29 6993 CG GLU B 120 -20.765 -34.036 97.469 1.00 56.26 6995 CB GLU B 120 -20.765 -34.036 97.469 1.00 56.26 6995 CB GLU B 120 -22.067 -35.326 97.851 1.00 58.53 6995 CB GLU B 120 -22.067 -35.326 97.851 1.00 58.53 6995 CB GLU B 120 -22.067 -36.523 98.226 1.00 58.53 6995 CB GLU B 120 -22.074 -34.192 94.651 1.00 59.72 6998 C GLU B 120 -22.3129 -34.659 97.806 1.00 59.72 6999 CB GLU B 120 -22.325 -32.967 94.441 1.00 52.94 6999 N ARG B 121 -23.581 -32.028 92.581 1.00 50.21 70.00 CA ARG B 121 -23.581 -32.028 92.581 1.00 50.21 70.00 CA ARG B 121 -23.581 -32.028 92.581 1.00 50.21 70.00 CA ARG B 121 -24.025 -33.534 90.533 1.00 51.61 70.00 CA ARG B 121 -24.025 -33.534 88.726 1.00 55.90 70.00 KM1 ARG B 121 -25.071 -34.250 89.676 1.00 55.90 70.00 KM1 ARG B 121 -25.071 -34.250 89.676 1.00 55.90 70.00 KM1 ARG B 121 -25.071 -34.250 89.676 1.00 55.36 70.00 KM1 ARG B 121 -27.383 -32.774 87.229 1.00 55.36 70.00 KM1 ARG B 121 -27.383 -32.774 87.229 1.00 55.36 70.00 KM1 ARG B 121 -24.4025 -33.354 90.533 1.00 51.61 70.00 KM1 ARG B 121 -27.482 -34.839 93.269 1.00 48.76 70.00 KM1 ARG B 121 -27.442 -34.821 88.261 1.00 55.37 70.00 KM1 ARG B 121 -27.442 -34.821 88.261 1.00 55.36 70.00 KM1 ARG B 121 -27.447 -30.810 93.305 1.00 48.76 70.00 KM1 ARG B 121 -24.404 -34.829 93.305 91.00 48.76 70.00 KM1 ARG B 121 -24.404 -34.829 93.305 91.00 48.76 70.00 KM1 ARG B 121 -24.404 -34.829 93.305 91.00 48.76 70.00 KM1 ARG B 121 -24.404 -34.829 93.305 91.00 48.76 70.00 KM1 ARG B 121 -24.404 -34.829 93.305 91.00 48.76 70.00 KM1 ARG B 121 -24.404 -34.829 93.305 91.00 48.76 70.00 KM1 ARG B 121 -24.404 -34.829 93.305 91.00 48.76 70.00 KM1 ARG B 121 -24.404 -34.829 93.305 91.00 48.76 70.00 KM1 ARG B 121 -24.404 93.829 93.305 91.00 48.76 70.00 KM1 ARG B 121 -24.4
6988 C C GUB B 119 -21.108 -35.570 93.569 1.00 55.02 6999 O N GUB B 120 -22.021 -35.419 94.517 1.00 54.89 6991 CA GUB B 120 -22.021 -35.419 94.517 1.00 54.26 6992 CB GUB B 120 -20.7765 -34.198 95.004 1.00 53.96 6993 CG GUB B 120 -20.765 -34.036 96.075 1.00 54.29 6994 CD GUB B 120 -20.763 -34.643 97.469 1.00 56.02 6995 CB1 GUB B 120 -22.063 -35.326 97.851 1.00 58.50 6995 CB2 GUB B 120 -22.027 -36.523 99.806 1.00 59.72 6997 C GUB B 120 -23.228 -32.967 97.804 1.00 53.51 6998 D R ARG B 121 -23.581 -32.29 94.634 1.00 53.11 7001 CB ARG B 121 -23.581 -32.28 93.494 1.00 51.55 7001 CB ARG B 121 -24.596 -32.536 99.576 1.00 50.21 7003 CD ARG B 121 -24.596 -32.536 99.576 1.00 52.94 7004 CB ARG B 121 -24.956 -32.536 99.576 1.00 55.10 7005 CZ ARG B 121 -24.956 -32.536 99.576
6989 O GUID B 119 -20.341 -34.673 93.240 1.00 54.89 6990 N GUID B 120 -22.021 -35.419 94.517 - 1.00 54.26 6991 CA GUID B 120 -22.074 -34.198 95.304 1.00 54.26 6992 CB GLU B 120 -20.765 -34.036 98.075 1.00 54.29 6993 CG GLU B 120 -20.765 -34.643 97.469 1.00 56.26 6995 OR1 GLU B 120 -22.067 -36.523 98.226 1.00 58.53 6995 OR1 GLU B 120 -22.067 -36.523 98.226 1.00 58.53 6997 C GUU B 120 -23.129 -34.659 97.806 1.00 59.72 6998 N G GLU B 120 -22.3129 -34.659 97.401 1.00 52.94 7001 CB ARG B 121 -23.524 -32.967 94.441 1.00 52.94 7001 CB ARG B 121 -23.581 -32.028 92.581 1.00 50.51 7002 CG ARG B 121 -24.055 -33.534 90.533 1.00 51.61 7003 CD ARG B 121 -24.025 -33.534 90.533 1.00 51.61 7005 NH1 ARG B 121 -25.071 -34.250 99.676 1.00 52.90 7005 CZ ARG B 121 -25.071 -34.250 99.676 1.00 55.41 7007 NH2 ARG B 121 -27.442 -34.82
6990 N GUU B 120 -22.021 -35.419 94.517 1.00 54.26 6991 CA GUU B 120 -22.074 -34.108 95.304 1.00 54.26 6992 CB GLU B 120 -20.765 -34.036 95.074 1.00 54.29 6993 CD GLU B 120 -20.765 -34.633 97.851 1.00 56.02 6995 OED GLU B 120 -22.027 -36.523 98.262 1.00 58.50 6997 C GLU B 120 -22.129 -34.6523 97.806 1.00 58.50 6998 O GLU B 120 -22.325 -32.967 94.411 1.00 59.72 6998 O GLU B 120 -22.325 -32.967 94.411 1.00 51.55 7000 CA ARG B 121 -23.241 -33.105 93.494 1.00 51.55 7001
6991 CA GJU B 120 -22.074 -34.198 95.304 1.00 53.96 6992 CB GJU B 120 -20.765 -34.036 96.075 1.00 54.29 6993 CG GJU B 120 -20.763 -34.643 97.469 1.00 56.02 6995 CD GLU B 120 -22.065 -35.326 97.851 1.00 56.02 6995 CD GLU B 120 -22.027 -36.523 98.226 1.00 58.50 6996 CD GLU B 120 -22.3129 -34.659 97.806 1.00 59.72 6998 CD GLU B 120 -23.129 -34.659 97.401 1.00 59.72 6999 N ARG B 121 -21.706 -31.922 94.634 1.00 59.72 7001 CB ARG B 121 -23.581 -32.028 92.581 1.00 59.72 7002 CG ARG B 121 -23.581 -32.028 92.581 1.00 59.02 7003 CD ARG B 121 -24.025 -33.534 90.533 1.00 51.55 7003 CD ARG B 121 -25.728 -33.534 90.533 1.00 51.61 7004 NE1 ARG B 121 -25.728 -33.534 90.531 1.00 59.62 7005 CZ ARG
6992 CB GUI B 120 -20.765 34.036 96.075 1.00 54.29 6993 CG GUI B 120 -20.763 -34.633 97.469 1.00 56.02 6994 CD GUU B 120 -22.065 -35.326 97.851 1.00 58.50 6995 OEZ GUI B 120 -22.027 -36.523 98.226 1.00 58.50 6998 C GUI B 120 -22.325 -32.967 94.441 1.00 52.94 6999 N ARG B 121 -23.241 -33.105 93.494 1.00 51.55 7000 CA ARG B 121 -24.596 -32.536 91.547 1.00 50.55 7001 CB ARG B 121 -24.956 -32.536 91.547 1.00 50.15 7003 CD ARG B 121 -25.728 -33.354 89.676 1.00 50.55 7005
6993 CG GUI B 120 -20.763 34.643 97.469 1.00 56.02 6994 CD GUI B 120 -22.027 -36.523 97.851 1.00 58.53 6995 OEI GUI B 120 -22.027 -36.523 98.226 1.00 59.72 6998 OEJU B 120 -22.325 -32.977 94.441 1.00 59.72 6999 N ARG B 121 -21.706 -31.922 94.634 1.00 53.11 7001 CB ARG B 121 -23.581 -32.028 92.581 1.00 50.21 7001 CB ARG B 121 -24.956 -32.536 91.547 1.00 50.51 7002 CG ARG B 121 -24.956 -32.536 91.531 1.00 50.51 7003 CD ARG B 121 -25.728
6994 CD GLU B 120 -22.065 -35.326 97.851 1.00 58.53 6995 OE1 GLU B 120 -22.027 -36.523 98.226 1.00 58.53 6996 OE2 GLU B 120 -23.129 -34.659 97.806 1.00 59.70 6998 C GLU B 120 -22.325 -32.967 94.441 1.00 52.94 6999 N ARG B 121 -23.241 -33.105 93.494 1.00 50.55 7001 CA ARG B 121 -23.241 -33.105 93.494 1.00 50.55 7001 CB ARG B 121 -24.596 -32.536 91.547 1.00 50.51 7002 CB ARG B 121 -24.925 -33.534 90.533 1.00 51.61 7003 CD ARG B 121 -25.071 -34.820 88.072
6995 OE1 GLU B 120 -22.027 -36.523 98.226 1.00 58.50 6997 OE2 GLU B 120 -23.129 -34.659 97.806 1.00 59.294 6998 O GLU B 120 -22.325 -32.967 94.441 1.00 52.94 6999 N ARG B 121 -23.581 -32.028 92.581 1.00 50.21 7001 CB ARG B 121 -24.596 -32.536 91.547 1.00 50.21 7002 CG ARG B 121 -24.956 -32.536 91.537 1.00 50.21 7003 CD ARG B 121 -24.956 -32.536 98.576 1.00 50.91 7004 NE ARG B 121 -25.728 -33.354 98.533 1.00 51.61 7005 CZ ARG B 121
6995 OE2 GLU B 120 -23.129 -34.659 97.806 1.00 59.72 6997 C GLU B 120 -22.325 - 32.967 94.441 1.00 52.94 6998 O GLU B 120 -21.706 -31.922 94.634 1.00 52.94 6999 N ARG B 121 -23.581 -32.028 94.534 1.00 50.15 7001 CR ARG B 121 -23.581 -32.028 92.581 1.00 50.55 7002 CG ARG B 121 -24.596 -32.536 91.547 1.00 50.55 7004 ARG B 121 -25.071 -34.250 89.676 1.00 52.90 7004 NE ARG B 121 -25.728 -33.534 88.762 1.00 55.46 7005 CZ ARG B 121 -25.728 -33.534 88.072 1.00 55.46 7007 NR2 ARG B 121 -25.728 -33.534 88.072 1.00 55.46 7007 NR2 ARG B 121 -25.728 -33.534 88.072 1.00 55.46 7007 NR2 ARG B 121 -27.442 -34.821 88.021 1.00 55.38 7008 C ARG B 121 -24.147 -30.810
6997 C GUI B 120 -22.325 -32.967 94.441 1.00 52.94 6998 O GUI B 120 -21.706 -31.922 94.634 1.00 53.15 6999 N ARG B 121 -23.241 -33.105 93.494 1.00 50.21 7001 CR ARG B 121 -24.596 -32.536 91.537 1.00 50.21 7002 CC ARG B 121 -24.025 -33.534 90.533 1.00 51.61 7003 CD ARG B 121 -24.025 -33.354 90.533 1.00 51.61 7004 NE ARG B 121 -25.728 -33.354 88.726 1.00 54.69 7005 CZ ARG B 121 -27.442 -34.821 87.229 1.00 55.17 7007 NH2 ARG B 121
6998 O GJU B 120 -21.706 -31.922 94.634 1.00 53.11 7000 CA ARG B 121 -23.424 -33.105 93.494 1.00 51.51 7001 CB ARG B 121 -24.596 -32.536 91.547 1.00 50.21 7002 CG ARG B 121 -24.095 -33.534 90.533 1.00 51.65 7004 NE ARG B 121 -25.071 -34.250 89.766 1.00 52.90 7005 CZ ARG B 121 -25.071 -34.250 89.766 1.00 52.90 7005 CZ ARG B 121 -25.071 -34.250 89.766 1.00 52.90 7005 NH2 ARG B 121 -26.849 -33.364 88.722 1.00 55.41 7007 NH2 ARG B 121 -27.383 -32.774 87.229 1.00 55.38 7008 </td
TOOL CA ARG B 121 -24.581 -32.028 92.581 1.00 50.21
TOOL CB
7002 CG ARG B B 221 -24.025 -33.534 90.533 1.00 51.61 7003 CD ARG B B 121 -25.728 -33.534 88.726 1.00 52.90 7004 NE ARG B B 121 -25.728 -33.354 88.726 1.00 54.69 7006 NH1 ARG B B 121 -27.442 -34.821 88.261 1.00 55.41 7007 NE2 ARG B B 121 -24.442 -34.821 88.261 1.00 55.38 7008 C ARG B B 121 -24.804 -30.932 94.329 1.00 85.76 7010 N LE B 121 -24.804 -30.932 94.329 1.00 48.72 7011 C LLE B B 122 -22.837 29.633 92.59 1.00 46.10 7012 C LLE B 122
TOO No. TOO
Toda
7005 CZ ARG B 121 -26.849 -33.649 88.072 1.00 55.41 7006 NH2 ARG B 121 -27.442 -34.821 88.261 1.00 55.41 7007 NH2 ARG B 121 -27.433 -32.774 87.229 1.00 55.38 7009 C ARG B 121 -24.147 -30.810 93.305 1.00 48.76 7010 O ARG B 121 -24.804 -30.932 94.329 1.00 48.72 7011 C LB B 122 -23.877 -29.633 92.758 1.00 47.49 7012 CB ILE B 122 -24.439 -28.393 93.269 1.00 46.08 7013 CG ILE B 122 -22.351 -27.101 92.510 1.00 46.08 7014 CD1 ILE B 122 -22.551 -27.091 92.617 1.00 44.41 7015 CG2 ILE B 122 -24.581 -25.917 92.013 1.00 45.57 7016 C ILE B 122 -24.581 -25.917 92.015 1.00 45.67 7017 O ILE B 122 -25.922 -28.479 93.058
7006 NH1 ARG B 121 -27.442 -34.821 88.261 1.00 56.17 7007 NH2 ARG B 121 -27.383 -32.774 87.229 1.00 53.36 7008 C ARG B 121 -24.147 -30.810 93.305 1.00 48.76 7010 N ILE B 122 -23.877 -29.633 92.758 1.00 47.49 7011 C ILE B 122 -24.439 -28.393 93.269 1.00 46.10 7012 CB ILE B 122 -23.831 -27.210 92.510 1.00 46.10 7013 CG1 ILE B 122 -22.351 -27.091 92.871 1.00 44.41 7014 CD1 ILE B 122 -24.581 -25.917 92.035 1.00 45.57 7016 C ILE B 122 -25.942 -28.472 93.558 1.00 45.48 7017
7007 NB2 ARG B 121 -27.383 -32.774 87.229 1.00 55.38 7008 C ARG B 121 -24.147 -30.810 93.305 1.00 48.76 7009 O ARG B 121 -24.804 -30.932 94.329 1.00 48.76 7011 CA ILE B 122 -23.877 -29.633 92.758 1.00 47.49 7012 CB ILE B 122 -24.439 -28.393 93.269 1.00 46.08 7013 CG1 ILE B 122 -22.351 -27.210 92.510 1.00 44.01 7014 CD1 ILE B 122 -21.581 -26.147 92.013 1.00 44.41 7015 CG2 ILE B 122 -24.581 -25.917 92.015 1.00 45.57 7016 C ILE B 122 -26.392 -28.918 92.018 1.00 45.33 7018 </td
7008 C ARG B 121 -24.147 -30.810 93.305 1.00 48.76 7009 O ARG B 121 -24.804 -30.932 94.329 1.00 48.32 7010 N ILE B 122 -23.877 -29.633 92.758 1.00 47.49 7011 CA ILE B 122 -24.439 -28.333 39.269 1.00 46.10 7013 CGI ILE B 122 -23.831 -27.201 92.510 1.00 46.10 7014 CDI ILE B 122 -22.351 -27.091 92.871 1.00 44.41 7015 CG2 ILE B 122 -24.581 -25.917 92.013 1.00 45.57 7016 C ILE B 122 -25.942 -28.472 93.058 1.00 45.33 7018 N PRO B 123 -26.725 -28.056 94.044 1.00 45.04 7019
7010 0 ARG B 121 -24.804 -30.932 94.329 1.00 48.32 7011 CA ILE B 122 -23.877 -29.633 92.758 1.00 47.49 7012 CB ILE B 122 -24.439 -28.393 93.269 1.00 46.10 7013 CG1 ILE B 122 -23.831 -27.210 92.510 1.00 46.08 7014 CD1 ILE B 122 -22.511 -27.010 92.611 1.00 44.17 7015 CG2 ILE B 122 -21.581 -26.147 92.013 1.00 43.82 7015 CG2 ILE B 122 -24.581 -25.917 92.815 1.00 45.57 7016 C ILE B 122 -25.942 -28.472 93.058 1.00 45.57 7017 O ILE B 122 -26.392 -28.918 92.018 1.00 45.33 7018 N PRO B 123 -26.725 -28.056 94.044 1.00 45.04 7017 CA PRO B 123 -28.186 -28.200 93.968 1.00 44.70
7010 N ILE B 122 -23.877 -29.633 92.758 1.00 47.49 7011 CA ILE B 122 -24.439 -28.393 93.269 1.00 46.10 7012 CB ILE B 122 -24.439 -28.393 93.269 1.00 46.10 7013 CG1 ILE B 122 -23.831 -27.210 92.510 1.00 46.08 7014 CD1 ILE B 122 -22.351 -27.091 92.637 1.00 44.41 7015 CG2 ILE B 122 -24.581 -26.147 92.013 1.00 43.82 7016 C ILE B 122 -24.581 -25.917 92.815 1.00 45.57 7016 C ILE B 122 -25.942 -28.472 93.058 1.00 45.57 7017 O ILE B 122 -26.392 -28.918 92.018 1.00 45.33 7018 N PRO B 123 -26.725 -28.056 94.044 1.00 45.04 7019 CA PRO B 123 -28.186 -28.200 93.968 1.00 44.70
7011 CA ILB B 122 -24.439 -28.393 93.269 1.00 46.10 7012 CB ILB B 122 -23.831 -27.210 92.510 1.00 46.08 7013 CG1 ILB B 122 -22.351 -27.091 92.871 1.00 44.91 7015 CG2 ILB B 122 -24.581 -25.917 92.013 1.00 43.82 7016 C ILB B 122 -24.581 -25.917 92.013 1.00 43.82 7016 C ILB B 122 -24.581 -25.917 92.015 1.00 45.47 7017 O ILB B 122 -26.392 -28.918 92.018 1.00 45.48 7018 N PRO B 123 -26.725 -28.056 94.044 1.00 45.04 7019 CA PRO B 123 -28.186 -28.200 93.968 1.00 44.70
7012 CB ILE B 122 -23.831 -27.210 92.510 1.00 46.08 7013 CG1 ILE B 122 -22.351 -27.091 92.871 1.00 44.41 7014 CD1 ILE B 122 -21.581 -26.147 92.013 1.00 43.82 7015 CG2 ILE B 122 -24.581 -25.917 92.815 1.00 45.57 7016 C ILE B 122 -25.942 -28.472 93.058 1.00 45.57 7017 O ILE B 122 -26.392 -28.918 92.018 1.00 45.33 7018 N PRO B 123 -26.725 -28.056 94.044 1.00 45.04 7017 CA PRO B 123 -28.186 -28.200 93.968 1.00 44.50
7014 CD1 ILE B 122 -24.581 -26.147 92.013 1.00 43.82 7015 CG2 ILE B 122 -24.581 -25.917 92.815 1.00 45.57 7016 C ILE B 122 -25.942 -28.472 93.058 1.00 45.33 7018 N PRO B 123 -26.392 -28.918 92.018 1.00 45.33 7018 CA PRO B 123 -26.725 -28.056 94.044 1.00 45.04 7019 CA PRO B 123 -28.186 -28.200 93.968 1.00 44.70
7015 CG2 ILB B 122
7016 C ILE B 122 -25.942 -28.472 93.058 1.00 45.48 7017 0 ILE B 122 -26.392 -28.918 92.018 1.00 45.33 7018 N PRO B 123 -26.725 -28.056 94.044 1.00 45.04 7019 CA PRO B 123 -28.186 -28.200 93.968 1.00 44.70
7017 O ILE B 122
7018 N PRO B 123 -26.725 -28.056 94.044 1.00 45.04 7019 CA PRO B 123 -28.186 -28.200 93.968 1.00 44.70
7019 CA PRO B 123 -28.186 -28.200 93.968 1.00 44.70
7021 CG PRO B 123 -27.444 -27.543 96.176 1.00 44.49
7022 CD PRO B 123 -27.444 -27.343 96.176 1.00 44.44
7023 C PRO B 123 -28.804 -27.345 92.869 1.00 44.69
7024 O PRO B 123 -28.191 -26.384 92.411 1.00 44.61
7025 N ASN B 124 -30.005 -27.718 92.444 1.00 44.83
7026 CA ASN B 124 -30.756 -26.949 91.464 1.00 44.83
7027 CB ASN B 124 -31.930 -27.771 90.895 1.00 45.24
7028 CG ASN B 124 -31.488 -28.820 89.852 1.00 46.78

FIGURE 3 EH

A	В	С	D	E	F	G	H	I	J
7029	OD1	ASN	В	124	-30.545	-28.609	89.086	1.00	46.82
7030	ND2	ASN		124	-32.183	-29.951	89.826	1.00	51.91
7031	C	ASN		124	-31.267	-25.709	92.195	1.00	44.27
7032	0	ASN	В	124	-31.258	-25.674	93.435	1.00	44.24
7033	N	ASN		125	-31.707	-24.700	91.443	1.00	42.84
7034	CA	ASN	В	125	-32.204	-23.463	92.038	1.00	41.49
7035	CB	ASN	В	125	-33.499	-23.695	92.826	1.00	41.55
7036	CG	ASN	В	125	-34.585	-24.378	91.988	1.00	42.05
7037	OD1	ASN	В	125	-34.849	-25.575	92.150	1.00	41.18
7038	ND2	ASN	В	125	-35.223	-23.615	91.100	1.00	40.95
7039	С	ASN	В	125	-31.160	-22.801	92.926	1.00	40.69
7040	0	ASN	В	125	-31.486	-22.187	93.946	1.00	40.65
7041	N	THR	В	126	-29.900	-22.936	92.532	1.00	39.37
7042	CA	THR	В	126	-28.803	-22.297	93.234	1.00	37.95
7043	CB	THR	В	126	-27.470	-22.964	92.857	1.00	37.98
7044	OG1	THR	В	126	-27.427	-24.281	93.425	1.00	38.33
7045	CG2	THR	В	126	-26.287	-22.245	93.495	1.00	36.03
7046	C	THR	В	126	-28.788	-20.811	92.888	1.00	37.31
7047	0	THR	В	126	-28.852	-20.425	91.721	1.00	37.04
7048	N	GLN	В	127	-28.688	-19.988	93.922	1.00	36.34
7049	CA	GLN	В	127	-28.750	-18.553	93.786	1.00	34.92
7050	CB	GLN		127	-29.300	-17.967	95.080	1.00	34.94
7051	CG	GLN		127	-30.650	-18.559	95.437	1.00	33.55
7052	CD	GLN		127	-30.989	-18.453	96.916	1.00	32.92
7053	OE1	GLN		127	-30.300	-19.048	97.761	1.00	31.14
7054	NE2	GLN		127	-32.066	-17.725	97.232	1.00	26.86
7055	C	GLN		127	-27.435	-17.907	93.400	1.00	35.02
7056	0	GLN		127	-27.420	-16.786	92.882	1.00	35.11
7057	N			128	-26.328	-18.606	93.607	1.00	34.94
7058	CA	TRP		128	-25.023	-18.019	93.295	1.00	34.86
7059	CB	TRP		128	-24.850	-16.732	94.091	1.00	34.91
7060	CG	TRP		128	-23.622	-16.029	93.737	1.00	36.11
7061	CD1	TRP		128	-22.448	-16.054	94.420	1.00	37.36
7062	NE1	TRP		128	-21.512	-15.288	93.768	1.00	39.73
7063	CE2	TRP		128	-22.077	-14.756	92.640	1.00	37.82
7064	CD2	TRP		128	-23.406	-15.204	92.589	1.00	36.92
7065	CE3	TRP		128	-24.204	-14.796	91.522	1.00	37.01
7066	CZ3	TRP		128	-23.664	-13.971	90.566	1.00	37.97
7067	CH2	TRP		128	-22.337	-13.547	90.642	1.00	38.55
7068	CZ2	TRP		128	-21.529	-13.923	91.673	1.00	38.95
7069	C	TRP		128	-23.831	-18.947	93.580	1.00	34.89
7070	0	TRP		128	-23.821	-19.684	94.556	1.00	34.10
7071	N	VAL		129	-22.814	-18.878	92.735	1.00	35.22
7072 7073	CA CB	VAL		129 129	-21.641 -21.650	-19.718 -20.924	92.894 91.923	1.00	36.27 36.44
7074	CG1	VAL		129	-21.650	-20.924	91.923	1.00	35.53
7074	CG2	VAL		129	-22.979	-21.647	91.958	1.00	36.07
7076	C	VAL		129	-20.306	-18.930	92.239	1.00	36.85
7077	Ö	VAL		129	-20.397	-18.203	91.590	1.00	36.67
7078	N	THR		130	-19.365	-19.070	93.391	1.00	38.07
7079	CA	THR		130		-18.405	93.097	1.00	39.09
.013	CII	7111/	_	100	10.110	10.103	20.001	1.00	55.05

FIGURE 3 EI

A	В	C E	Е	F	G	Н	I	J
7080	CB	THR E	130	-18.055	-16.988	93.726	1.00	39.16
7081	OG1	THR E		-16.698	-16.512	93.767	1.00	39.50
7082	CG2	THR E			-17.029	95.170	1.00	38.85
7083	C	THR E		-16.925		93.529	1.00	40.29
7084	0	THR E	130	-16.907	-19.819	94.619	1.00	39.97
7085	N	TRP E	131	-15.949	-19.351	92.633	1.00	41.63
7086	CA	TRP E	131	-14.710	-20.056	92.894	1.00	42.33
7087	CB	TRP E	131	-13.844	-20.063	91.629	1.00	42.18
7088	CG	TRP E	131	-14.321	-20.989	90.566	1.00	42.06
7089	CD1	TRP E	131	-14.758	-20.654	89.322	1.00	41.70
7090	NE1	TRP B	131	-15.122	-21.782	88.630	1.00	41.69
7091	CE2	TRP E	131	-14.902	-22.880	89.423	1.00	40.84
7092	CD2	TRP E	131	-14.399	-22.415	90.650	1.00	40.74
7093	CE3	TRP B		-14.093	-23.348	91.644	1.00	39.43
7094	CZ3	TRP E		-14.306	-24.676	91.393	1.00	40.01
7095	CH2	TRP E	131	-14.812	-25.108	90.157	1.00	39.68
7096	CZ2	TRP E			-24.226	89.164	1.00	38.53
7097	C	TRP E		-13.941	-19.286	93.944	1.00	43.25
7098	0	TRP E			-18.124	94.224	1.00	43.84
7099	N	SER E		-12.945	-19.947	94.513	1.00	43.68
7100	CA	SER E			-19.320	95.379	1.00	44.11
7101	CB	SER E			-20.425	95.960	1.00	44.06
7102	OG	SER E		-10.138		96.860	1.00	47.01
7103	C	SER E		-11.143		94.431	1.00	43.83
7104	0	SER E			-18.779	93.257	1.00	44.43
7105	N	PRO E		-10.527	-17.374	94.887	1.00	43.67
7106	CA	PRO E		-9.717	-16.553	93.985	1.00	43.66
7107	CB	PRO E		-9.345	-15.348	94.850	1.00	43.91
7108	CG	PRO E		-10.322	-15.376	95.955	1.00	43.41
7109	CD	PRO E		-10.555		96.247	1.00	
7110 7111	C	PRO E			-17.285 -16.837	93.519 92.583	1.00	
7111	O N	PRO E		-8.114	-18.380	94.186		43.86
7113	CA	VAL E		-6.991	-19.217	93.789	1.00	43.75
7114	CB	VAL E			-18.897	94.583	1.00	
7115	CG1	VAL E		-5.211	-17.508	94.250	1.00	44.28
7116	CG2	VAL E		-6.005	-19.016	96.067	1.00	44.26
7117	C	VAL E		-7.381	-20.653	94.072	1.00	43.56
7118	ŏ	VAL E		-8.178	-20.909	94.967	1.00	43.88
7119	N	GLY E		-6.834	-21.597	93.314	1.00	43.50
7120	CA	GLY B		-7.178	-22.990	93.506	1.00	42.57
7121	C	GLY E		-8.539	-23.284	92.907	1.00	42.42
7122	ō	GLY E			-22.832	91.806	1.00	42.51
7123	N	HIS E			-24.031	93.623	1.00	41.88
7124	CA	HIS E			-24.399	93.083	1.00	41.28
7125	CB	HIS E		-10.556		92.205		41.09
7126	CG	HIS E		-9.837	-26.762	92.865	1.00	41.42
7127	ND1	HIS E	136	-8.475	-26.936	92.756	1.00	41.80
7128	CE1	HIS E	136	-8.113	-27.995	93.457	1.00	43.07
7129	NE2	HIS E	136	-9.188	-28.501	94.034	1.00	42.44
7130	CD2	HIS E	136	-10.280	-27.747	93.680	1.00	41.18

FIGURE 3 EJ

A	В	С	D	Е		F	G	Н	1	J
7131	С	HIS	В	136	_	11.668	-24.674	94.168	1.00	41.24
7132	ō	HIS		136			-25.568	94.030		41.24
7133	N	LYS		137		11.558	-23.930	95.262		41.14
7134	CA	LYS		137		12.547	-24.032	96.320		41.09
7135	CB	LYS		137		12.096	-23.305	97.583		41.89
7136	CG	LYS		137		11.586	-24.250	98.657	1.00	43.47
7137	CD	LYS		137		10.276		99.244	1.00	46.36
7138	CE	LYS		137		10.460		100.280	1.00	48.20
7139	NZ	LYS	В	137		-9.125	-22.281	100.849	1.00	48.67
7140	C	LYS		137		13.805	-23.420	95.762	1.00	40.13
7141	ŏ	LYS		137		13.753	-22.688	94.789	1.00	39.54
7142	N	LEU		138		14.928	-23.702	96.401	1.00	39.56
7143	CA	LEU		138		16.208	-23.294	95.882	1.00	38.74
7144	CB	LEU		138		16.834	-24.522	95.237	1.00	39.10
7145	CG	LEU		138		17.667	-24.421	93.977	1.00	38.93
7146	CD1	LEU		138		17.088	-23.365	93.050	1.00	38.82
7147	CD2	LEU		138		17.641	-25.774	93.319	1.00	38.89
7148	C	LEU		138		17.163	-22.812	96.960	1.00	38.21
7149	Ö	LEU		138		17.330		97.984	1.00	38.26
7150	N	ALA		139		17.811	-21.678	96.721	1.00	37.04
7151	CA	ALA		139		18.859		97.619	1.00	36.37
7152	CB	ALA		139		18.436		98.361	1.00	36.36
7153	C	ALA		139		20.131	-20.948	96.819	1.00	36.06
7154	0	ALA		139		20.131	-20.345	95.729	1.00	35.33
7155	N	TYR		140		21.259		97.360	1.00	35.69
7156	CA	TYR		140		22.506	-21.084	96.698	1.00	35.56
7157	CB	TYR		140		22.873	-22.217	95.734	1.00	35.62
7158	CG	TYR		140		23.103	-23.556	96.382	1.00	35.36
7159	CD1	TYR		140		24.330	-23.875	96.914	1.00	34.83
7160	CE1	TYR		140		24.558	-25.095	97.495	1.00	35.07
7161	CZ	TYR		140		23.549		97.562	1.00	34.69
7162	OH	TYR		140		23.814	-27.241	98.153	1.00	35.30
7163	CE2	TYR		140		22.312	-25.741	97.043	1.00	34.31
7164	CD2	TYR		140		22.090	-24.512	96.448	1.00	35.31
7165	C	TYR		140		23.604	-20.800	97.718	1.00	35.80
7166	ō	TYR		140		23.451	-21.080	98.909	1.00	36.15
7167	N	VAL		141		24.685	-20.189	97.256	1.00	35.67
7168	CA	VAL		141		25.833	-19.930	98.099	1.00	35.40
7169	CB	VAL		141		26.234	-18.454	98.082	1.00	35.38
7170	CG1	VAL		141		25.072	-17.591	98.465	1.00	33.53
7171	CG2	VAL		141		27.423	-18.215	99.009	1.00	35.48
7172	C	VAL	В	141		26.995	-20.732	97.558	1.00	35.92
7173	0	VAL	В	141	_	27.207	-20.794	96.351	1.00	35.98
7174	N	TRP		142		27.757	-21.342	98.446	1.00	36.11
7175	CA	TRP		142	-	28.895	-22.119	98.019	1.00	37.00
7176	CB	TRP		142		28.480	-23.562	97.725	1.00	37.45
7177	CG	TRP	В	142	-	29.609	-24.447	97.413	1.00	37.97
7178	CD1	TRP	В	142	-	30.222	-24.594	96.201	1.00	38.04
7179	NE1	TRP	В	142	-	31.229	-25.526	96.292	1.00	38.64
7180	CE2	TRP	В	142	-	31.290	-25.991	97.583	1.00	39.67
7181	CD2	TRP	В	142	-	30.279	-25.330	98.315	1.00	38.37

FIGURE 3 EK

A	В	С	D	E		F	G	H	I	J
7182	CE3	TRP	В	142	-30	124	-25.638	99.669	1.00	39.69
7183	CZ3	TRP		142	-30.		-26.576	100.252	1.00	40.58
7184	CH2	TRP		142	-31.		-27.217	99.495	1.00	41.69
7185	CZ2	TRP		142	-32		-26.935	98.162	1.00	40.31
7186	C	TRP		142	-29.		-22.061	99.135	1.00	37.18
7187	ō	TRP		142	-29		-22.362	100.293	1.00	37.62
7188	N	ASN		143	-31.		-21.653	98.786	1.00	37.09
7189	CA	ASN		143	-32		-21.440	99.760	1.00	37.10
7190	CB	ASN		143	-32		-22.744	100.448	1.00	37.49
7191	CG	ASN		143	-33		-23.631	99.568	1.00	39.31
7192	OD1	ASN		143	-33		-24.843	99.785	1.00	42.68
7193	ND2	ASN	В	143	-34.	098	-23.032	98.577	1.00	39.54
7194	С	ASN	В	143	-31.	722	-20.398	100.773	1.00	36.82
7195	0	ASN		143	-32.	004	-20.504	101.960	1.00	36.76
7196	N	ASN	В	144	-31.	021	-19.387	100.277	1.00	36.79
7197	CA	ASN	В	144	-30.	531	-18.280	101.093	1.00	37.18
7198	CB	ASN	В	144	-31.	686	-17.568	101.805	1.00	37.04
7199	CG	ASN	В	144	-32.	527	-16.720	100.861	1.00	36.49
7200	OD1	ASN	В	144	-32.	660	-17.030	99.683	1.00	36.40
7201	ND2	ASN	В	144	-33.	097	-15.648	101.384	1.00	33.59
7202	С	ASN	В	144	-29.	424	-18.637	102.100	1.00	37.55
7203	0	ASN	В	144	-29.	026	-17.798	102.899	1.00	38.80
7204	N	ASP	В	145	-28.	926	-19.866	102.065	1.00	37.04
7205	CA	ASP	В	145	-27.	830	-20.248	102.949	1.00	36.79
7206	CB	ASP	В	145	-28.	196	-21.497	103.756	1.00	36.52
7207	CG	ASP	В	145	-28	965	-21.169	105.012	1.00	35.95
7208	OD1	ASP	В	145	-29.	946	-21.885	105.300	1.00	35.23
7209	OD2	ASP	В	145	-28.	672	-20.211	105.760	1.00	32.55
7210	C	ASP	В	145	-26.	527	-20.488	102.172	1.00	36.81
7211	0	ASP	В	145	-26.		-20.828	100.997	1.00	36.71
7212	N	ILE	В	146	-25.	398	-20.304	102.843	1.00	37.17
7213	CA	ILE		146	-24.		-20.514	102.234	1.00	37.41
7214	CB	ILE		146	-23.		-19.527	102.804	1.00	37.34
7215	CG1	ILE	В	146	-23.		-18.102	102.588	1.00	36.66
7216	CD1	ILE		146		768	-17.054	103.237	1.00	34.03
7217	CG2	ILE		146	-21.		-19.733	102.183	1.00	37.74
7218	C	ILE		146	-23.		-21.936	102.431	1.00	37.89
7219	0	ILE		146	-23.		-22.610	103.415	1.00	37.80
7220	N	TYR		147	-22.		-22.393	101.458	1.00	38.32
7221	CA	TYR		147	-22.		-23.717	101.482	1.00	38.55
7222	CB	TYR		147	-23.		-24.678	100.647	1.00	38.37
7223	CG	TYR		147	-24.		-25.068	101.217	1.00	37.96
7224	CD1	TYR		147	-24.		-26.268	101.908	1.00	37.11
7225	CE1	TYR		147	-25.		-26.638	102.412	1.00	36.57
7226	CZ	TYR		147	-26.		-25.799	102.213	1.00	36.57
7227	OH	TYR		147	-28.		-26.146	102.695	1.00	38.30
7228	CE2	TYR		147		728	-24.622	101.523	1.00	34.92
7229	CD2	TYR		147			-24.265	101.022	1.00	37.48
7230	C	TYR		147		828	-23.622	100.867	1.00	38.87
7231	0	TYR		147		585	-22.784	100.002	1.00	39.06
7232	N	VAL	В	148	-19.	919	-24.479	101.310	1.00	39.44

FIGURE 3 EL

A	В	C	D	E		F	G	H	I	J
			_				0.4.400			
7233	CA	VAL		148			-24.488	100.737		39.71
7234	CB	VAL		148			-24.035	101.718	1.00	39.96
7235	CG1	VAL		148		.147	-24.369	101.142	1.00	39.51
7236	CG2	VAL		148		.633	-22.535	102.015	1.00	39.81
7237	C	VAL		148		.201	-25.872	100.305	1.00	40.21
7238	0	VAL		148		.543	-26.857	100.956	1.00	40.48
7239	N	LYS		149		.480	-25.930	99.194	1.00	40.45
7240	CA	LYS		149		.926	-27.163	98.696	1.00	40.77
7241	CB	LYS		149		.494	-27.502	97.320	1.00	40.78
7242	CG	LYS		149		.834	-28.181	97.370	1.00	41.22
7243	CD	LYS		149		.360	-28.458	95.982	1.00	42.84
7244	CE	LYS		149		.033	-29.816	95.943	1.00	44.11
7245	NZ	LYS		149		.861	-30.062	97.161	1.00	44.71
7246	С	LYS		149		.436	-26.937	98.601	1.00	40.97
7247	0	LYS		149		.981	-26.041	97.888		41.10
7248	N	ILE		150		.674	-27.725	99.349	1.00	41.46
7249	CA	ILE		150		.227	-27.625	99.293	1.00	41.98
7250	CB	ILE		150		.589	-28.239	100.543	1.00	42.06
7251	CG1	ILE	В	150		.546	-27.196	101.656	1.00	42.77
7252	CD1	ILE		150		.585	-26.106	101.539	1.00	41.99
7253	CG2		В	150		.154	-28.660	100.263	1.00	42.89
7254	С	ILE		150		.790	-28.312	98.018	1.00	41.88
7255	0	ILE		150		.875	-27.873	97.345	1.00	41.45
7256	N	GLU		151		.488	-29.379	97.669	1.00	42.89
7257	CA	GLU		151		.240		96.401		44.16
7258	CB	GLU		151		.493	-31.373	96.603	1.00	44.31
7259	CG	GLU		151		.200	-31.253	97.409	1.00	45.63
7260	CD	GLU		151		.025	-30.739	96.600	1.00	48.28
7261	OE1	GLU	В	151		.010	-30.951	95.373	1.00	50.02
7262	OE2	GLU		151		.108	-30.119	97.191	1.00	50.10
7263	C	GLU	В	151		.570	-30.247	95.682	1.00	44.43
7264	0	GLU		151		.577	-30.594	96.289	1.00	44.13
7265	N	PRO	В	152		.570	-30.022	94.381	1.00	45.23
7266	CA	PRO	В	152		.802	-30.091	93.594	1.00	46.07
7267	CB	PRO	В	152		.297	-29.979	92.158		45.96
7268	CG	PRO	В	152	-14	.015	-29.226	92.275	1.00	45.42
7269	CD	PRO	В	152	-13	.395	-29.684	93.558	1.00	45.23
7270	С	PRO	В	152	-16	.602	-31.381	93.794	1.00	47.12
7271	0	PRO	В	152	-17	.834	-31.353	93.728	1.00	46.89
7272	N	ASN	В	153	-15	.919	-32.492	94.057	1.00	48.20
7273	CA	ASN	В	153	-16	.609	-33.771	94.186	1.00	49.06
7274	CB	ASN	В	153	-15	.790	-34.881	93.532	1.00	49.32
7275	CG	ASN	В	153	-14	.711	-35.406	94.437	1.00	50.49
7276	OD1	ASN		153		.528	-35.102	94.267		51.24
7277	ND2	ASN	В	153	-15	.111	-36.197	95.420	1.00	53.07
7278	С	ASN		153		.967	-34.162	95.615	1.00	49.43
7279	0	ASN	В	153	-17	.598	-35.188	95.842	1.00	49.74
7280	N	LEU	В	154	-16	.591	-33.336	96.579	1.00	49.88
7281	CA	LEU	В	154	-16	.837	-33.669	97.973	1.00	50.21
7282	CB	LEU	В	154	-15	.667	-33.186	98.826	1.00	50.44
7283	CG	LEU	В	154	-14	.568	-34.191	99.167	1.00	51.03

FIGURE 3 EM

T284
7285 CD2 LEU B 154 -13.248 -33.473 99.285 1.00 52.12 7287 C LEU B 154 -18.656 -32.090 98.007 1.00 50.21 7288 N PRO B 155 -19.865 -33.720 99.545 1.00 50.30 7290 CB PRO B 155 -19.869 -33.204 100.222 1.00 50.30 7291 CG PRO B 155 -19.971 -34.090 101.469 1.00 50.11 7291 CG PRO B 155 -19.971 -34.090 101.469 1.00 50.51 7293 C PRO B 155 -19.633 -31.744 100.252 1.00 50.55 7293 C PRO B 155 -19.633 -31.344 100.083 1.00 49.41 7295 O PRO B 155 -19.633 -31.744 100.0783 1.00 49.41 7295
7286 C LEU B 154 -18.140 -33.088 98.514 1.00 50.42 7287 O LEU B 154 -18.656 -32.090 98.007 1.00 50.74 7288 N PRO B 155 -18.679 -33.720 99.545 1.00 50.30 7290 CB PRO B 155 -19.869 -33.204 100.222 1.00 50.05 .07 .05 .05 .05 .05 .05
7287 O LEU B 154 -18.656 -32.090 98.007 1.00 50.74 7288 N PRO B 155 -18.679 -33.720 99.546 1.00 50.30 7289 CA PRO B 155 -18.679 -33.720 99.546 1.00 50.05 7291 CB PRO B 155 -18.609 -34.090 101.669 1.00 50.15 7292 CD PRO B 155 -18.609 -34.742 101.564 1.00 50.65 7293 C PRO B 155 -19.633 -31.344 100.608 1.00 49.51 7293 C PRO B 155 -19.633 -31.344 100.693 1.00 49.41 7295 N SER B 156 -20.619 -29.547 101.005 1.00 48.18 7297 CB SER B 156 -20.619 -29.547 101.005 1.00 48.18 7298 OS SER B 156 -21.415 -28.458 98.966 1.00 48.05 7299 C SER B 156 -21
7288 N PRO B 155 -18.679 -33.720 99.545 1.00 50.30 7299 CB PRO B 155 -19.969 -33.204 100.222 1.00 50.05 7290 CB PRO B 155 -19.971 -34.090 101.469 1.00 50.11 7291 CG PRO B 155 -18.609 -34.742 101.564 1.00 50.65 7293 C PRO B 155 -18.609 -34.742 101.564 1.00 50.65 7293 C PRO B 155 -18.633 -31.748 100.608 1.00 49.51 7294 O PRO B 155 -18.679 -33.1748 100.608 1.00 48.74 7295 N SER B 156 -20.171 -30.992 100.736 1.00 48.74 7295 C SER B 156 -20.171 -30.992 100.736 1.00 48.74 7299
7289 CA PRO B 155 -19.869 -33.204 100.222 1.00 50.05 7291 CB PRO B 155 -19.971 -34.090 01.1489 1.00 50.11 7291 CG PRO B 155 -18.220 -34.742 101.564 1.00 50.55 7293 C PRO B 155 -19.633 -31.748 100.608 1.00 49.51 7294 O PRO B 155 -19.633 -31.748 100.608 1.00 49.41 7295 N SER B 156 -20.111 -30.982 100.736 1.00 48.18 7296 CA SER B 156 -20.619 -29.547 101.005 1.00 48.05 7297 CB SER B 156 -21.415 -28.792 100.302 1.00 48.05 7299 C SER B 156 -21.415 -28.458 98.966 1.00 47.66 730
7290 CB PRO B 155 -19.971 -34.090 101.469 1.00 50.51 7291 CG PRO B 155 -18.609 -34.742 101.564 1.00 50.65 7293 C PRO B 155 -18.220 -34.988 100.135 1.00 50.55 7294 O PRO B 155 -18.479 -31.344 100.736 1.00 49.51 7295 C SER B 156 -20.711 -30.982 100.736 1.00 48.74 7298 CB SER B 156 -20.711 -30.982 100.736 1.00 48.05 7299 CB SER B 156 -21.763 -28.792 100.302 1.00 48.05 7299 C SER B 156 -21.415 -28.489 18.00 1.00 48.05 7299 C SER B 156 -21.440 -29.875 103.312 1.00 47.66 7300<
7291 CG PRO B 155 -18.609 -34.742 101.564 1.00 50.65 7292 CD PRO B 155 -18.220 -34.988 100.135 1.00 50.65 7293 C PRO B 155 -19.633 -31.748 100.608 1.00 49.51 7294 O PRO B 155 -19.633 -31.344 100.783 1.00 49.41 7295 N SER B 156 -20.619 -29.547 101.005 1.00 48.74 7297 CB SER B 156 -20.619 -29.547 101.005 1.00 48.05 7299 C SER B 156 -21.415 -28.458 98.966 1.00 48.05 7299 C SER B 156 -21.415 -28.458 98.966 1.00 48.05 7300 O SER B 156 -21.415 -28.458 98.966 1.00 47.66 7301 TYR B 157 -19.988 -28.082 102.103 1.00 47.66 7302 CA TYR B 157 -19.988 -28.082 102.103 1.00 47.05 7304 CG TYR B 157 -17.554 -28.046 104.149 1.00 45.95<
7292 CD PRO B 155 -18.220 -34.988 100.135 1.00 50.55 7293 C PRO B 155 -19.633 -31.748 100.608 1.00 49.51 7294 O PRO B 155 -18.479 -31.344 100.793 1.00 49.41 7295 N SER B 156 -20.619 -29.547 101.005 1.00 48.18 7293 CB SER B 156 -21.763 -28.792 100.302 1.00 48.05 7298 CB SER B 156 -21.763 -28.792 100.302 1.00 48.05 7299 C SER B 156 -21.463 -28.792 100.302 1.00 48.05 7300 O SER B 156 -21.464 -29.189 102.486 1.00 47.66 7301 N TYR B 157 -19.999 -27.568 104.149 1.00 47.22 7302
7293 C PRO B 155 -19.633 -31.748 100.608 1.00 49.51 7294 O PRO B 155 -18.479 -31.344 100.783 1.00 49.51 7295 N SER B 156 -20.711 -30.982 100.736 1.00 48.74 7297 CB SER B 156 -20.619 -29.547 101.005 1.00 48.18 7298 CS SER B 156 -21.416 -28.458 98.966 1.00 48.05 7300 O SER B 156 -21.416 -28.458 98.966 1.00 48.05 7300 O SER B 156 -21.240 -29.875 102.331 1.00 47.05 7301 N TYR B 157 -19.999 -27.568 102.301 1.00 47.05 7303 CB TYR B 157 -15.54 -28.046 104.612 1.00 47.95 7305
7294 0 PRO B 155 -18.479 -31.344 100.783 1.00 49.41 7295 N SER B 156 -20.711 -30.982 100.736 1.00 48.75 7297 CB SER B 156 -20.619 -29.547 101.005 1.00 48.05 7298 CB SER B 156 -21.763 -28.782 100.302 1.00 48.05 7299 C SER B 156 -21.415 -28.458 98.966 1.00 47.66 7300 O SER B 156 -20.640 -29.189 102.486 1.00 47.66 7301 N SER B 156 -21.424 -29.875 103.312 1.00 47.05 7301 N TYR B 157 -19.988 -28.082 102.803 1.00 47.22 7302 CA TYR B 157 -19.988 -28.082 102.803 1.00 47.36 7304 CG TYR B 157 -17.662 +28.869 104.149 1.00 46.94 7305 CD1 TYR B 157 -17.462 -28.869 105.728 1.00 50.51 7306 CE TYR B 157 -16.455 -29.820 105.837 1.00 50.88 7307 CZ TYR B 157 -16.455 -29.820 105.837 1.00 50.85 7309 CEZ TYR B 157 -15.64 -29.87 10.30 10.0 50.85 7309 CEZ TYR B 157 -15.60 -29.137 10.3710 1.00 50.95 7310 CZ TYR B 157 -15.66 -29.137 10.3710 1.00 50.95 7311 C TYR B 1
7295 N SER B 156 -20.7111 -30.982 100.736 1.00 48.74 7296 CA SER B 156 -20.619 -29.547 101.005 1.00 48.18 7297 CB SER B 156 -21.763 -28.792 100.302 1.00 48.05 7298 CG SER B 156 -21.415 -28.458 98.966 1.00 48.05 7299 C SER B 156 -21.415 -28.458 98.966 1.00 47.05 7300 O SER B 156 -21.240 -29.875 103.312 1.00 47.05 7301 N TYR B 157 -19.988 -28.082 102.803 1.00 47.05 7302 CA TYR B 157 -19.999 -27.568 104.149 1.00 47.66 7303 CB TYR B 157 -18.635 -27.003 104.5502 1.00 47.36 7305 CD 1 TYR B 157 -17.554 -28.046 104.612 1.00 48.59 7307 CZ TYR B 157 -16.455 -29.820 105.837 1.00 50.88 7307 CZ TYR B 157 -16.455 -29.820 105.837 1.00 50.85 7309 CEZ TYR B 157 -15.616 -29.137 103.710 1.00 51.95 7310 CDZ TYR B 157 -15.616 -29.137 103.710 1.00 51.95 7311 C TYR B 157
7296 CA SER B 156 -20.619 -29.547 101.005 1.00 48.18 7297 CB SER B 156 -21.763 -28.792 100.302 1.00 48.05 7299 C SER B 156 -21.415 -28.458 98.966 1.00 47.66 7300 O SER B 156 -21.240 -29.875 103.312 1.00 47.66 7301 N TYR B 157 -19.988 -28.082 102.103 1.00 47.22 7303 CB TYR B 157 -17.554 -28.060 104.105 1.00 47.36 7304 CG TYR B 157 -17.554 -28.869 105.728 1.00 47.36 7305 CD1 TYR B 157 -17.554 -28.060 104.502 1.00 47.36 7307 CZ TYR B 157 -15.540 -29.940 106.337 1.00 50.88 7
7297 CB SER B 156 -21.763 -28.792 100.302 1.00 48.05 7299 C SER B 156 -20.640 -29.189 102.486 1.00 47.66 7300 N SER B 156 -20.640 -29.189 102.486 1.00 47.66 7301 N TYR B 157 -19.988 -28.082 102.803 1.00 47.22 7302 CA TYR B 157 -19.989 -28.082 102.803 1.00 47.22 7303 CB TYR B 157 -18.635 -27.050 104.502 1.00 47.36 7304 CG TYR B 157 -17.554 -28.046 104.612 1.00 48.59 7305 CD1 TYR B 157 -17.554 -28.046 104.612 1.00 48.59 7307 CZ TYR B 157 -16.455 -29.820 105.337 1.00 50.88 7307 CZ TYR B 157 -16.455 -29.820 105.337 1.00 50.88 7309 CE2 TYR B 157 -15.616 -29.137 103.710 1.00 51.46 7310 CD2 TYR B 157 -14.6613 -28.198 103.610 1.00 54.46 7311 C TYR B 157 -14.6613 -28.198 103.610 1.00 54.46 7311 C TYR B 157 -20.042 -25.441 103.572 1.00 45.42 7312 O TYR B 157 -20.042 -25.441 103.572 1.00 45.42 7313 N ARG B 158 -22.065 -26.720 105.047 1.00 45.42
7299 OG SER B 156 -21.415 - 28.458 98.966 1.00 48.05 7300 O SER B 156 -20.640 - 29.189 102.486 1.00 47.66 7301 O SER B 156 -21.240 - 29.875 103.312 1.00 47.66 7301 N TYR B 157 -19.988 - 28.082 102.1803 1.00 47.22 7303 CR TYR B 157 -19.988 - 28.082 104.149 1.00 46.95 7304 CG TYR B 157 -17.554 28.061 104.610 1.00 47.36 7305 CDI TYR B 157 -17.462 -28.869 105.728 1.00 50.51 7307 CZ TYR B 157 -16.455 -29.820 105.837 1.00 50.85 7308 CB TYR B 157 -15.540 - 29.820 105.837 1.00 50.85 7309 CEZ TYR B 157 -15.540 - 29.944 104.823 1.00 53.46 7311 C TYR B 157 -15.616 - 29.137 10.00 51.93 7311 C TYR B 157 -16.613 -
Table C
7300 O SER B 156 -21.240 -29.875 103.312 1.00 47.05 7301 N TYR B 157 -19.988 -28.082 102.803 1.00 47.02 7302 CA TYR B 157 -19.999 -27.568 104.149 1.00 46.94 7304 CG TYR B 157 -18.635 -27.003 104.502 1.00 48.79 7305 CDI TYR B 157 -17.562 -28.046 104.612 1.00 48.59 7306 CEI TYR B 157 -16.455 -29.820 105.837 1.00 50.81 7307 CZ TYR B 157 -16.455 -29.820 105.837 1.00 50.88 7309 CEZ TYR B 157 -15.540 -29.944 104.823 1.00 50.85 7310 CDZ TYR B 157 -15.616 -29.137 103.710 1.00 51.19 7310 CZ TYR B 157 -16.613 -28.19 103.03 1.00 50.85 7309 CEZ TYR B 157 -16.613 -28.19 103.03 10.00 51.00 51.46 7311 C TYR B 157 -16.613 -28.19 103.310 1.00 51.19 51.00 51.49 7312 O TYR B 157 -20.942 -25.441 103.572 104.233 1.00 45.22 7312 O TYR B 157 -20.949 -26.472 104.233 1.00 45.22 7313
7301 N TYR B 157 -19.988 -28.082 102.803 1.00 47.22 7302 CR TYR B 157 -19.999 -27.568 104.149 1.00 46.732 7303 CB TYR B 157 -18.635 -27.003 104.502 1.00 47.36 7305 CDI TYR B 157 -17.462 -28.869 105.283 1.00 50.88 7307 CZ TYR B 157 -16.455 -29.820 105.837 1.00 50.88 7309 CEZ TYR B 157 -14.535 -30.872 104.903 1.00 50.46 7311 C TYR B 157 -15.666 -29.137 103.710 1.00 51.46 7312 O TYR B 157 -15.666 -29.137 103.710 1.00 51.96 7311 C TYR B 157
7302 CA TYR B 157 -19.999 -27.568 104.149 1.00 46.94 7303 CB TYR B 157 -18.635 -27.003 104.502 1.00 47.36 7304 CG TYR B 157 -17.554 -28.046 104.612 1.00 48.59 7306 CB1 TYR B 157 -16.455 -29.820 105.837 1.00 50.51 7307 CZ TYR B 157 -16.555 -29.820 105.837 1.00 50.85 7308 CB2 TYR B 157 -15.540 -29.944 104.823 1.00 50.85 7309 CB2 TYR B 157 -14.535 -30.872 104.903 1.00 53.46 7310 CD2 TYR B 157 -15.616 -29.137 103.710 1.00 51.49 7311 C TYR B 157 -16.613 -28.198 103.610 1.00 51.49 7311 C TYR B 157 -21.949 -26.472 104.223 1.00 64.94 7312 O TYR B 157 -20.942 -25.441 103.570 1.00 45.77 7313 N ARG B 158 -22.065 -26.720 105.047 1.00 45.77 7313 ARG B 158 -23.137 -25.775 105.077 1.00 44.92
7303 CB TYR B 157 -18.635 -27.003 104 502 1.00 47.36 7304 CG TYR B 157 -17.554 -28.066 104.612 1.00 48.79 7305 CD1 TYR B 157 -16.455 -28.869 105.728 1.00 50.88 7307 CZ TYR B 157 -16.455 -29.944 104.823 1.00 50.88 7309 CEZ TYR B 157 -15.540 -29.944 104.923 1.00 53.46 7310 CEZ TYR B 157 -15.616 -29.137 103.71 1.00 51.95 7309 CEZ TYR B 157 -15.616 -29.137 103.71 1.00 51.95 7311 C TYR B 157 -21.049 -26.472 104.233 1.00 46.22 7312 O TYR B
7304 CG TYR B 157 -17.554 -28.046 104.612 1.00 48.59 7305 CD1 TYR B 157 -17.462 -28.869 105.728 1.00 50.51 7306 CE1 TYR B 157 -16.455 -29.820 105.837 1.00 50.85 7307 CZ TYR B 157 -15.540 -29.944 104.823 1.00 50.85 7308 OH TYR B 157 -15.540 -29.942 104.903 1.00 53.46 7309 CE2 TYR B 157 -15.616 -29.137 103.710 1.00 51.19 7310 CD TYR B 157 -16.613 -28.198 103.610 1.00 49.46 7311 C TYR B 157 -21.049 -26.472 104.233 1.00 46.22 7312 O TYR B 157 -22.949 -24.19 104.233 1.00 46.22 7311 C TYR B 157 -22.949 -25.471 103.571 10.00 45.77 7312 O TYR B 157 -22.949 -25.471 103.572 10.00 45.77 7313 N ARG B 158 -22.065 -26.720 105.047 1.00 45.92 7314 CA ARG B 158 -23.137 -25.775 105.279 1.00 44.92
7305 CDI TYR B 157 -17.462 -28.869 105.728 1.00 50.51 7306 CEI TYR B 157 -16.455 -29.820 105.83 1.00 50.88 7307 CZ TYR B 157 -15.540 -29.944 104.823 1.00 50.88 7309 CEZ TYR B 157 -14.535 -30.872 104.903 1.00 53.46 7310 CDZ TYR B 157 -15.616 -29.137 103.710 1.00 51.98 7311 C TYR B 157 -16.613 -28.198 103.610 1.00 49.46 7312 O TYR B 157 -21.049 -26.472 104.325 1.00 45.77 7313 A RG B 158 -22.065 -26.720 105.047 1.00 45.72 7314 C ARG B 158 -23.137 -25.775 105.279 1.00 44.92
7306 CEI TYR B 157 -16.455 -29.820 105.837 1.00 50.85 7307 Cz TYR B 157 -15.540 -29.944 104.823 1.00 50.85 7308 OH TYR B 157 -14.535 -30.872 104.903 1.00 53.46 7310 CD2 TYR B 157 -16.613 -28.138 103.610 1.00 49.46 7311 C TYR B 157 -21.049 -26.472 104.233 1.00 49.46 7312 O TYR B 157 -20.942 -25.441 103.572 100.045.77 1.00 45.72 7313 N ARG B 158 -22.065 -26.720 105.047 10.004.71 1.00 45.42 7314 CA ARG B 158 -23.137 -25.775 105.279 10.00 44.92
7307 CZ TYR B 157 -15.540 -29.944 104.823 1.00 50.85 7308 CH TYR B 157 -14.535 -30.872 104.903 1.00 53.46 7309 CE2 TYR B 157 -15.616 -29.137 103.710 1.00 51.19 7311 C TYR B 157 -16.613 -28.198 103.610 1.00 49.46 7312 C TYR B 157 -21.049 -26.472 104.223 1.00 46.22 7312 O TYR B 157 -20.942 -25.441 103.572 10.00 45.77 7313 N ARG B 158 -22.065 -26.720 105.047 1.00 45.42 7314 CA ARG B 158 -23.137 -25.775 105.279 1.00 44.92
7308 OH TYR B 157 -14.535 -30.872 104.903 1.00 53.46 7309 CE2 TYR B 157 -15.616 -29.137 103.710 1.00 51.98 7310 CD2 TYR B 157 -16.613 -28.198 103.610 1.00 49.46 7312 O TYR B 157 -21.049 -26.472 104.233 1.00 46.22 7313 N ARG B 158 -22.065 -26.720 105.047 1.00 45.42 7314 CA ARG B 158 -23.137 -25.775 105.279 1.00 44.92
7309 CE2 TYR B 157 -15.616 -29.137 103.710 1.00 51.19 7310 CD2 TYR B 157 -16.613 -28.198 103.610 1.00 49.46 7311 C TYR B 157 -21.049 -26.472 104.233 1.00 46.22 7312 O TYR B 157 -20.942 -25.441 103.572 1.00 45.77 7313 N ARG B 158 -22.065 -26.720 105.047 1.00 45.42 7314 CA ARG B 158 -23.137 -25.775 105.279 1.00 44.92
7310 CD TYR B 157 -16.613 -28.198 103.610 1.00 49.46 7311 C TYR B 157 -21.049 -26.472 104.223 1.00 46.22 7312 O TYR B 157 -20.942 -25.441 103.572 1.00 45.77 7313 N ARG B 158 -22.065 -26.720 105.047 1.00 44.92 7314 CA ARG B 158 -23.137 -25.775 105.279 1.00 44.92
7311 C TYR B 157 -21.049 -26.472 104.233 1.00 46.22 7312 0 TYR B 157 -20.942 -25.441 103.572 1.00 45.77 7313 N ARG B 158 -22.065 -26.720 105.047 1.00 45.42 7314 CA ARG B 158 -23.137 -25.775 105.279 1.00 44.92
7312 O TYR B 157 -20.942 -25.441 103.572 1.00 45.77 7313 N ARG B 158 -22.065 -26.720 105.047 1.00 45.42 7314 CA ARG B 158 -23.137 -25.775 105.279 1.00 44.92
7313 N ARG B 158 -22.065 -26.720 105.047 1.00 45.42 7314 CA ARG B 158 -23.137 -25.775 105.279 1.00 44.92
7314 CA ARG B 158 -23.137 -25.775 105.279 1.00 44.92
7315 CB ARG B 158 -24.279 -26.497 105.999 1.00 45.11
7316 CG ARG B 158 -25.641 -26.404 105.373 1.00 45.98
7317 CD ARG B 158 -26.622 -25.478 106.084 1.00 48.49
7318 NE ARG B 158 -27.943 -26.099 106.177 1.00 49.66
7319 CZ ARG B 158 -29.096 -25.446 106.138 1.00 50.00
7320 NH1 ARG B 158 -29.117 -24.134 106.009 1.00 50.42
7321 NH2 ARG B 158 -30.235 -26.114 106.235 1.00 49.94
7322 C ARG B 158 -22.591 -24.689 106.189 1.00 44.40
7323 O ARG B 158 -22.266 -24.964 107.341 1.00 44.02
7324 N ILE B 159 -22.469 -23.463 105.686 1.00 43.84
7325 CA ILE B 159 -22.002 -22.368 106.532 1.00 43.13
7326 CB ILE B 159 -21.245 -21.305 105.711 1.00 43.15
7327 CG1 ILE B 159 -20.127 -21.960 104.888 1.00 43.08
7328 CD1 ILE B 159 -19.379 -23.072 105.610 1.00 40.50
7329 CG2 ILE B 159 -20.678 -20.213 106.618 1.00 42.00
7330 C ILE B 159 -23.138 -21.742 107.356 1.00 43.24
7331 O ILE B 159 -22.978 -21.499 108.550 1.00 42.94
7332 N THR B 160 -24.295 -21.501 106.742 1.00 43.15
7333 CA THR B 160 -25.395 -20.882 107.485 1.00 43.07
7334 CB THR B 160 -25.738 -19.488 106.924 1.00 43.35

FIGURE 3 EN

A	В	С	D	E		F	G	H	I	J
			_							40.05
7335	0G1	THR		160			-19.612			43.35
7336	CG2	THR		160			-18.671			42.11
7337	C	THR		160		26.640				43.24
7338	0	THR		160		26.858				43.71
7339	N	TRP		161		27.467				43.10
7340	CA	TRP		161		28.651	-22.284			43.13
7341	CB	TRP		161		28.448			1.00	
7342 7343	CG CD1	TRP		161		27.335	-24.217 -23.984			43.29
7344	CD1 NE1	TRP	В	161 161		25.295			1.00	41.69
7345 7346	CE2	TRP		161		26.186				42.31
7346	CD2 CE3	TRP		161 161		27.483 28.582	-25.623		1.00	42.81 42.85
7348	CZ3		В			28.356			1.00	44.59
7349	CH2	TRP		161 161			-28.345			43.07
7350	CZ2	TRP		161			-27.539			42.07
7351	C	TRP		161			-21.399			43.23
7352	ŏ	TRP		161		30.892				43.49
7353	N	THR		162		29.716				43.49
7354	CA	THR		162			-19.171			43.22
7355	CB	THR		162			-17.990			42.86
7356	OG1	THR		162			-17.384			43.09
7357	CG2	THR		162			-18.485			42.82
7358	C	THR		162			-18.665			43.08
7359	0	THR		162			-18.098			42.87
7360	N	GLY		163				106.665		43.22
7361	CA	GLY		163				105.429		43.32
7362	C	GLY		163		33.107				43.53
7363	Ö	GLY		163			-19.799			43.50
7364	N	LYS		164		33.862				43.32
7365	CA		В	164			-17.719		1.00	43.66
7366	CB	LYS		164			-17.290			43.86
7367	CG	LYS		164		37.444				45.67
7368	CD	LYS		164		37.970				47.17
7369	CE	LYS		164		39.497				49.52
7370	NZ	LYS		164		10.097			1.00	48.85
7371	С	LYS		164			-16.855			43.13
7372	o	LYS		164		35.777				42.90
7373	N	GLU		165		36.390			1.00	
7374	CA	GLU		165		36.916				42.75
7375	CB	GLU	В	165	-(37.875	-17.769	100.970	1.00	42.89
7376	CG	GLU		165	-(88.447				46.01
7377	CD	GLU	В	165	-(39.346			1.00	50.75
7378	OE1	GLU	В	165			-18.572			50.41
7379	OE2	GLU		165		38.962				53.37
7380	C	GLU	В	165	- (37.602	-15.488	102.044	1.00	41.49
7381	O	GLU		165		88.538				41.12
7382	N	ASN	В	166	-;	37.108	-14.392	101.473	1.00	40.30
7383	CA	ASN	В	166		37.662	-13.053		1.00	39.57
7384	CB	ASN	В	166	-;	39.179	-13.017	101.491	1.00	39.43
7385	CG	ASN	В	166	-3	39.571	-13.312	100.046	1.00	38.77

FIGURE 3 EO

A	В	C	D E	F	G	Н	I	J
7386	OD1	ASN :	В 166	-38.892	-12.895	99.108	1.00	39.24
7387	ND2	ASN :	B 166	-40.675	-14.037	99.867	1.00	36.86
7388	C	ASN :	B 166	-37.363	-12.425	103.084	1.00	39.44
7389	0	ASN :	B 166	-37.652	-11.249	103.302	1.00	39.64
7390	N	ILE :	B 167	-36.804	-13.194	104.010	1.00	38.55
7391	CA	ILE :			-12.651	105.326	1.00	37.72
7392	CB	ILE :	B 167	-37.297	-13.426	106.415	1.00	38.14
7393	CG1	ILE :	B 167		-13.239	106.216	1.00	38.62
7394	CD1	ILE :	B 167	-39.452	-14.349	105.474	1.00	40.55
7395	CG2	ILE :	B 167	-36.927	-12.924	107.796	1.00	37.27
7396	C	ILE :			-12.593		1.00	36.78
7397	0	ILE :	B 167		-11.529	105.876	1.00	37.09
7398	N	ILE :			-13.730	105.594	1.00	35.88
7399	CA	ILE :			-13.748	105.899		34.97
7400	CB	ILE :			-14.591	107.179		35.66
7401	CG1	ILE :			-13.809		1.00	35.90
7402	CD1	ILE :			-14.673	109.511	1.00	40.18
7403	CG2	ILE :			-14.947	107.326	1.00	34.03
7404	С	ILE :			-14.239		1.00	34.18
7405	0	ILE :			-15.343		1.00	34.01
7406	N	TYR :			-13.391	104.265	1.00	33.65
7407	CA	TYR			-13.715	103.147		33.38
7408	CB	TYR			-12.621	102.083	1.00	33.36
7409	CG	TYR :			-12.194			34.51
7410	CD1	TYR			-11.521	102.382		35.15
7411	CE1	TYR :			-11.087	101.908	1.00	36.27
7412	CZ	TYR :			-11.307	100.585	1.00	36.51
7413 7414	OH	TYR :			-10.858	100.163	1.00	37.33
7415	CE2 CD2	TYR :			-11.968 -12.398	99.731 100.224	1.00	34.96
7415	C C	TYR			-12.398	100.224		33.08
7417	0	TYR			-12.899			32.88
7418	N	ASN			-14.952	104.240	1.00	32.60
7419	CA	ASN :			-14.932	103.521		32.11
7420	CB	ASN :			-16.482	104.471		32.23
7421	CG	ASN :			-16.513		1.00	32.33
7422	OD1	ASN :			-17.289	105.770	1.00	33.34
7423	ND2	ASN :			-15.703	106.735	1.00	30.14
7424	C	ASN			-15.327	102.420	1.00	31.44
7425	Ö	ASN			-16.282	101.685	1.00	31.22
7426	N	GLY			-14.430	102.164		30.91
7427	CA	GLY		-24.249		100.982		30.57
7428	C	GLY			-13.905	99.713	1.00	30.67
7429	ō	GLY			-13.797	98.726		29.92
7430	N		В 172		-13.487	99.746	1.00	30.45
7431	CA	ILE			-12.764	98.642	1.00	30.45
7432	CB	ILE			-13.666	97.892	1.00	30.43
7433	CG1	ILE	В 172		-14.358	98.899	1.00	29.88
7434	CD1	ILE	В 172	-29.746	-15.140	98.262	1.00	28.11
7435	CG2	ILE	В 172		-14.647	97.004	1.00	28.79
7436	C	ILE	В 172	-27.476	-11.553	99.155	1.00	30.70

FIGURE 3 EP

A	В	C	D	E		F	G	H	I	J
7437	0	ILE		172		7.952		100.288	1.00	31.56
7438	N	THR		173		7.638		98.314	1.00	30.54
7439	CA	THR		173		8.366	-9.353	98.730	1.00	30.17
7440	CB	THR	В	173		7.998	-8.248	97.790	1.00	30.29
7441	OG1	THR		173		7.995	-8.776	96.451	1.00	30.15
7442	CG2	THR		173		6.544	-7.836	98.045		29.43
7443	C	THR		173		9.883	-9.516	98.695	1.00	30.13
7444	0	THR	В	173		0.395	-10.516	98.181	1.00	30.07
7445	N		В	174		0.603	-8.531	99.245	1.00	29.15
7446	CA	ASP		174		2.053	-8.480	99.078		28.13
7447	CB	ASP		174		2.750	-7.944	100.324		28.31
7448	CG	ASP		174		2.454	-6.485	100.570		29.05
7449	OD1	ASP	В	174		3.182	-5.855	101.372		30.08
7450	OD2	ASP		174		1.529	-5.875	99.997	1.00	28.42
7451	C	ASP	В	174		2.238	-7.533	97.911		27.65
7452	0	ASP	В	174	-3	1.253	-7.141	97.298	1.00	27.19
7453	N	TRP	В	175	-3	3.469	-7.127	97.596	1.00	27.54
7454	CA	TRP	В	175	-3	3.648	-6.240	96.432	1.00	26.79
7455	CB	TRP	В	175	-3	5.128	-5.926	96.122	1.00	26.14
7456	CG	TRP	В	175	-3	5.261	-5.307	94.757	1.00	23.48
7457	CD1	TRP	В	175	-3	5.570	-5.953	93.586	1.00	22.72
7458	NE1	TRP	В	175	-3	5.566	-5.065	92.535	1.00	22.62
7459	CE2	TRP	В	175	-3	5.271	-3.815	93.010	1.00	22.14
7460	CD2	TRP	В	175		5.068	-3.930	94.407	1.00	21.47
7461	CE3	TRP	В	175	-3	4.771	-2.780	95.130	1.00	19.92
7462	CZ3	TRP	В	175	-3	4.657	-1.568	94.456	1.00	20.93
7463	CH2	TRP	В	175	-3	4.855	-1.484	93.079	1.00	20.31
7464	CZ2	TRP	В	175	-3	5.169	-2.600	92.335	1.00	22.25
7465	C	TRP	В	175	-3	2.834	-4.947	96.415	1.00	27.04
7466	0	TRP	В	175	-3	2.199	-4.653	95.409	1.00	27.07
7467	N	VAL	В	176	-3	2.878	-4.141	97.481	1.00	27.37
7468	CA	VAL	В	176	-3	2.150	-2.856	97.437	1.00	27.70
7469	CB	VAL	В	176	-3	2.408	-1.918	98.659	1.00	27.94
7470	CG1	VAL	В	176	-3	2.922	-2.697	99.840	1.00	29.41
7471	CG2	VAL	В	176	-3	3.313	-0.812	98.284	1.00	27.83
7472	C	VAL	В	176	-3	0.653	-2.978	97.412	1.00	27.07
7473	0	VAL	В	176	-2	9.988	-2.183	96.788	1.00	27.17
7474	N	TYR	В	177	-3	0.107	-3.924	98.152	1.00	27.06
7475	CA	TYR	В	177	-2	8.672	-4.032	98.169	1.00	27.84
7476	CB	TYR	В	177	-2	8.214	-5.024	99.239	1.00	28.15
7477	CG	TYR	В	177	-2	7.918	-4.360	100.567	1.00	29.10
7478	CD1	TYR	В	177	-2	8.941	-4.117	101.506	1.00	27.32
7479	CE1	TYR	В	177	-2	8.665	-3.513	102.711	1.00	28.33
7480	CZ	TYR	В	177	-2	7.354	-3.134	102.987	1.00	29.96
7481	OH	TYR	В	177	-2	7.032	-2.521	104.161	1.00	30.14
7482	CE2	TYR	В	177	-2	6.343	-3.360	102.081	1.00	29.19
7483	CD2	TYR	В	177	-2	6.630	-3.964	100.877	1.00	27.15
7484	С	TYR	В	177	-2	8.184	-4.404	96.779	1.00	28.36
7485	0	TYR	В	177	-2	7.234	-3.808	96.246	1.00	28.11
7486	N	GLU	В	178	-2	8.859	-5.360	96.162	1.00	28.62
7487	CA	GLU	В	178		8.408	-5.767	94.847		29.47

FIGURE 3 EQ

A	В	C	D	E	F	G	H	I	J
7488	СВ	GLU	В	178	-29.292	-6.858	94.256	1.00	29.15
7489	CG	GLU		178	-28.905	-7.190	92.826	1.00	
7490	CD	GLU		178	-29.890	-8.149	92.182	1.00	
7491	OE1	GLU		178	-29.962	-8.151	90.942	1.00	
7492	OE2	GLU		178	-30.607	-8.860	92.919		22.10
7493	C	GLU		178	-28.376	-4.584	93.908		29.85
7494	ŏ	GLU		178	-27.340	-4.295	93.295	1.00	29.77
7495	N	GLU		179	-29.507	-3.881	93.833	1.00	30.44
7496	CA	GLU		179	-29.677	-2.804	92.872	1.00	31.04
7497	CB	GLU		179	-31.182	-2.541	92.624	1.00	31.33
7498	CG	GLU		179	-31.102	-1.322	91.739	1.00	30.44
7499				179	-31.470		90.307		
7500	CD OE1	GLU		179	-31.039	-1.563	89.978	1.00	30.62
						-2.753		1.00	31.34
7501	OE2	GLU		179	-30.893	-0.592	89.518	1.00	30.02
7502	C	GLU		179	-29.002	-1.493	93.218	1.00	31.78
7503	0	GLU		179	-28.433	-0.844	92.353	1.00	31.90
7504	N	GLU		180	-29.082	-1.078	94.474	1.00	32.62
7505	CA	GLU		180	-28.608	0.252	94.824	1.00	33.58
7506	CB	GLU		180	-29.726	1.019	95.554	1.00	33.44
7507	CG	GLU		180	-31.081	0.966	94.860	1.00	33.23
7508	CD	GLU		180	-31.194	1.925	93.687	1.00	33.27
7509	OE1	GLU		180	-30.149	2.442	93.233	1.00	34.14
7510	OE2	GLU		180	-32.332	2.176	93.219	1.00	33.57
7511	С	GLU		180	-27.326	0.323	95.644	1.00	34.47
7512	0	GLU		180	-26.507	1.220	95.454	1.00	34.81
7513	N	VAL		181	-27.164	-0.586	96.590	1.00	35.56
7514	CA	VAL		181	-25.974	-0.539	97.430	1.00	36.34
7515	CB	VAL		181	-26.227	-1.164	98.786	1.00	36.64
7516	CG1	VAL		181	-25.010	-0.997	99.674	1.00	37.55
7517	CG2	VAL		181	-27.453	-0.505	99.439	1.00	36.85
7518	С	VAL		181	-24.795	-1.202	96.749	1.00	36.58
7519	0	VAL		181	-23.817	-0.538	96.422	1.00	37.02
7520	N	PHE		182	-24.895	-2.495	96.467	1.00	37.09
7521	CA	PHE	В	182	-23.768	-3.189	95.838	1.00	36.97
7522	CB	PHE	В	182	-23.741	-4.671	96.207	1.00	36.58
7523	CG	PHE	В	182	-23.482	-4.936	97.663	1.00	37.39
7524	CD1	PHE	В	182	-23.257	-3.900	98.552	1.00	37.49
7525	CE1	PHE	В	182	-23.029	-4.147	99.903	1.00	37.26
7526	CZ	PHE	В	182	-23.019	-5.423	100.375	1.00	36.96
7527	CE2	PHE	В	182	-23.237	-6.474	99.499	1.00	39.17
7528	CD2	PHE	В	182	-23.467	-6.225	98.147	1.00	38.10
7529	C	PHE	В	182	-23.679	-3.028	94.328	1.00	37.24
7530	0	PHE	В	182	-22.641	-2.621	93.814	1.00	38.18
7531	N	SER	В	183	-24.778	-3.319	93.632	1.00	37.49
7532	CA	SER	В	183	-24.842	-3.392	92.167	1.00	36.70
7533	CB	SER	В	183	-23.933	-2.400	91.452	1.00	36.88
7534	OG	SER	В	183	-24.612	-1.194	91.161	1.00	36.34
7535	C	SER	В	183	-24.453	-4.790	91.769	1.00	36.58
7536	0	SER	В	183	-23.849	-5.010	90.710	1.00	37.26
7537	N	ALA	В	184	-24.798	-5.738	92.627	1.00	35.60
7538	CA	ALA	В	184	-24.502	-7.127	92.372		34.98

FIGURE 3 ER

A	В	С	D	Е		F	G	H	I	J
7539	CB	ALA	В	184	_	23.043	-7.420	92.640	1.00	35.69
7540	C	ALA		184		25.358	-7.935	93.300	1.00	34.68
7541	0	ALA	В	184	_	25.841	-7.420	94.299	1.00	35.13
7542	N	TYR		185		25.535	-9.203	92.969	1.00	33.68
7543	CA	TYR	В	185	-	26.319	-10.103	93.784	1.00	33.79
7544	CB	TYR	В	185	-	26.744	-11.285	92.938	1.00	32.72
7545	CG	TYR	В	185	-	27.789	-12.180	93.562	1.00	32.50
7546	CD1	TYR	В	185	-	27.894	-13.511	93.171	1.00	29.63
7547	CE1	TYR	В	185	-	28.841	-14.325	93.684	1.00	28.92
7548	CZ	TYR	В	185	-	29.733	-13.849	94.606	1.00	29.80
7549	OH	TYR	В	185	-	30.679	-14.731	95.083	1.00	30.48
7550	CE2	TYR	В	185	-	29.680	-12.535	95.029	1.00	28.44
7551	CD2	TYR		185		28.706		94.494	1.00	29.79
7552	С	TYR		185		25.489		94.934	1.00	34.13
7553	0	TYR		185		25.965		96.065	1.00	34.82
7554	N	SER		186		24.261		94.607	1.00	34.52
7555	CA	SER		186			-11.672	95.530	1.00	34.83
7556	CB	SER		186		22.044		94.792	1.00	34.59
7557	OG	SER		186		21.192		95.610	1.00	35.38
7558	C	SER		186		22.962		96.719	1.00	35.02
7559	0	SER		186		22.658	-9.625	96.571	1.00	34.94
7560	N	ALA		187		23.005		97.900	1.00	35.25
7561	CA	ALA		187		22.539		99.103	1.00	36.21
7562	CB	ALA		187		23.704	-10.353	100.023	1.00	36.09
7563	C	ALA		187		21.576		99.809	1.00	36.77
7564	0	ALA		187		21.650		101.025	1.00	36.72
7565 7566	N	LEU		188		19.643	-12.302 -13.173	99.014	1.00	37.09 37.64
7567	CA CB	LEU	В	188 188		19.822	-13.173	99.496 98.934	1.00	38.66
7568	CG	LEU		188		20.919		99.586	1.00	38.66
7569	CD1	LEU		188		21.101		98.849	1.00	40.07
7570	CD2	LEU		188		20.528	-15.704	100.998	1.00	40.71
7571	C	LEU		188		18.334	-12.584	98.988	1.00	37.53
7572	Ö	LEU	В	188		18.279		97.854	1.00	38.18
7573	N	TRP		189		17.286	-12.582	99.815	1.00	37.05
7574	CA	TRP		189		15.995	-12.040	99.391	1.00	36.44
7575	CB	TRP		189		15.833	-10.602	99.891	1.00	36.28
7576	CG	TRP		189		16.914	-9.648	99.454	1.00	36.18
7577	CD1	TRP	В	189		16.895	-8.832	98.355	1.00	36.04
7578	NE1	TRP	В	189		18.049	-8.089	98.295	1.00	35.31
7579	CE2	TRP	В	189	-	18.850	-8.427	99.353	1.00	35.02
7580	CD2	TRP	В	189	-	18.164	-9.399	100.109	1.00	35.13
7581	CE3	TRP	В	189	-	18.777	-9.904	101.263	1.00	35.16
7582	CZ3	TRP	В	189	-	20.025	-9.422	101.624	1.00	34.26
7583	CH2	TRP	В	189		20.674	-8.449	100.853	1.00	35.25
7584	CZ2	TRP		189		20.105	-7.941	99.717	1.00	34.68
7585	C	TRP		189		14.826	-12.892	99.899	1.00	36.59
7586	0	TRP		189		14.435	-12.786	101.065	1.00	36.63
7587	N	TRP	В	190		14.280	-13.746	99.034	1.00	36.22
7588	CA	TRP		190		13.158		99.411	1.00	35.36
7589	CB	TRP	В	190	_	12.765	-15.539	98.260	1.00	34.95

FIGURE 3 ES

A	В	С	D	Е	F		G	Н	1	J
7590	CG	TRP	В	190	-13 63	7 -	16.753	98.036	1.00	34.74
7591	CD1	TRP		190	-14.5		16.926	97.046		33.53
7592	NE1	TRP		190	-15.12		18.172	97.137		34.28
7593	CE2	TRP		190	-14.5		18.844	98.190		34.02
7594	CD2	TRP		190	-13.60		17.981	98.778		34.82
7595	CE3	TRP		190	-12.88		18.443	99.880		35.18
7596	CZ3	TRP		190	-13.13		19.714	100.363		35.47
7597	CH2	TRP		190	-14.09		20.542	99.753		36.43
7598	CZ2	TRP		190	-14.8		20.123	98.669		33.78
7599	С	TRP		190	-11.92		13.810	99.731		35.35
7600	Ō	TRP		190			12.839	99.025		34.85
7601	N	SER	В	191	-11.19	96 -	14.218	100.775	1.00	34.91
7602	CA	SER	В	191	-9.90)6 -	13.599	101.044	1.00	35.16
7603	CB	SER		191	-9.28		14.137	102.347		35.21
7604	OG	SER		191	-9.13		15.553	102.340		33.94
7605	С	SER	В	191	-9.05	52 -	13.923	99.805	1.00	35.52
7606	0	SER	В	191	-9.32	29 -	14.893	99.097	1.00	34.63
7607	N	PRO	В	192	-8.02	21 -	13.136	99.536	1.00	36.13
7608	CA	PRO	В	192	-7.25	50 -	13.316	98.303	1.00	37.16
7609	CB	PRO	В	192	-6.09	95 -	12.328	98.454	1.00	36.92
7610	CG	PRO	В	192	-6.6	17 -	11.298	99.386	1.00	36.51
7611	CD	PRO	В	192	-7.50	7 -	12.026	100.352	1.00	36.33
7612	C	PRO	В	192	-6.7	57 -	14.741	98.054	1.00	37.97
7613	0	PRO	В	192	-6.76	57 -	15.179	96.905	1.00	38.49
7614	N	ASN	В	193	-6.3	57 -	15.471	99.080	1.00	38.89
7615	CA	ASN	В	193	-5.88	30 -	16.828	98.821	1.00	39.87
7616	CB	ASN	В	193	-4.49	94 -	17.080	99.435	1.00	40.26
7617	CG	ASN	В	193	-4.5	13 -	17.313	100.926		41.85
7618	OD1	ASN	В	193	-5.63	12 -	17.455	101.519	1.00	42.23
7619	ND2	ASN	В	193	-3.36	56 -	17.365	101.543	1.00	48.05
7620	C	ASN	В	193	-6.8		17.910	99.193		39.93
7621	0	ASN		193	-6.50		19.100	99.236		40.09
7622	N	GLY		194	-8.10		17.478	99.466		40.22
7623	CA	GLY	В	194	-9.22		18.373	99.728		39.55
7624	C	GLY		194	-9.30		18.912	101.137		39.45
7625	0	GLY		194			19.772	101.440		39.26
7626	N	THR		195	-8.43		18.443	102.017		39.14
7627	CA	THR		195	-8.50		18.953	103.382		39.39
7628	CB	THR		195	-7.3		18.457	104.222		39.64
7629	OG1	THR		195			19.138	103.795		41.03
7630	CG2	THR		195	-7.49		18.901	105.677		39.46
7631	С	THR		195	-9.82		18.557	104.029		39.04
7632	0	THR		195	-10.5		19.385	104.615		39.15
7633	N	PHE	В	196			17.286	103.914		38.64
7634	CA	PHE	В	196			16.837	104.541		38.73
7635	CB	PHE	В	196	-11.14		15.571	105.365		39.12
7636	CG		В	196			15.766	106.515		38.78
7637	CD1	PHE		196	-10.58		16.387	107.677		39.07
7638	CE1	PHE	В	196	-9.69		16.552	108.745		39.69
7639	CZ	PHE	В	196			16.083	108.653		38.45
7640	CE2	PHE	В	196	-7.98	00 -	10.449	107.50€	1.00	39.56

FIGURE 3 ET

Total CD2	A	В	C	D	E		F	G	H	I	J
7643 C C PHE B 196 -12.538 -16.608 103.540 1.00 38.22 7644 N LEU B 197 -13.769 -16.780 104.018 1.00 37.98 7644 CA LEU B 197 -14.960 -16.417 103.260 1.00 37.58 7646 CB LEU B 197 -15.883 -17.610 103.053 1.00 36.62 7647 CG LEU B 197 -15.883 -17.610 103.053 1.00 36.62 7648 CD1 LEU B 197 -18.028 -18.570 102.130 1.00 34.72 7650 C LEU B 197 -16.844 -16.752 100.911 1.00 35.59 7651 C LEU B 197 -16.844 -16.752 100.911 1.00 35.59 7652 N LEU B 197 -15.636 1.51.359 104.074 1.00 36.59 7651 C LEU B 197 -15.636 1.55.31 103.592 1.00 35.66 7652 N ALA B 198 -15.672 -14.131 103.592 1.00 35.66 7654 CB ALA B 198 -15.672 -14.131 103.592 1.00 35.46 7655 C ALA B 198 -17.911 -13.417 102.504 1.00 35.46 7655 C ALA B 198 -17.911 -13.417 102.504 1.00 35.46 7655 C ALA B 198 -17.911 -13.417 102.504 1.00 35.46 7655 D TYR B 199 -20.118 -12.551 103.885 1.00 3.671 1.00 34.75	7641	CD2	DHE	R	196	-8	876	-15 294	106 436	1 00	40 57
7643 O PHE B 196 -12.301 - 16.341 102.359 1.00 37.99 7644 C LEU B 197 -13.769 - 16.780 104.018 1.00 37.99 7645 C LEU B 197 -14.960 - 16.417 103.260 1.00 36.62 7647 C LEU B 197 -17.171 - 17.316 102.275 1.00 35.82 7648 C LEU B 197 -17.171 - 17.316 102.275 1.00 35.82 7648 C LEU B 197 -16.844 - 16.752 100.911 1.00 35.96 7649 C LEU B 197 -15.681 - 15.359 104.074 1.00 35.96 7651 O LEU B 197 -15.681 - 15.359 104.074 1.00 35.96 7652 N ALA B 198 -16.782 - 14.131 103.592 1.00 35.96 1.00 35.96 7653 C ALA B 198 -16.782 - 14.131 103.592 1.00 35.96 1.00 35.96 7655 C ALA B 198 -17.766 - 13.069 103.671 1.00 35.46 1.00 35.46 7657 N ALA B 198 -17.766 - 13.069 103.671 1.00 35.46 1.00 35.46 7657 N ALA B 198 -17.766 - 13.069 103.671 1.											
7644 N LEU B 197 -13.769 16.780 104.018 1.00 37.58 7645 CA LEU B 197 -14.860 -16.417 103.260 1.00 36.62 7647 CG LEU B 197 -15.883 -17.610 102.275 1.00 36.67 7648 CD1 LEU B 197 -18.028 -18.570 102.130 1.00 35.59 7650 C LEU B 197 -15.681 -15.750 100.2130 1.00 35.59 7651 O LEU B 197 -15.684 1-5.750 100.2130 1.00 36.69 7651 O LEU B 197 -15.684 1-5.752 100.911 1.00 36.69 7652 N ALA B 198 -15.672 -14.131 103.595 1.00 36.69 7653 C ALA B 198 -15.672 -14.131 100.034.00 1.00 35.66 <td< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td<>											
7645 CA LEU B 197 -14.960 -16.417 103.260 1.00 36.62 7647 CG LEU B 197 -15.883 -17.610 103.053 1.00 36.62 7647 CG LEU B 197 -17.171 -17.316 102.275 1.00 35.82 7648 CD1 LEU B 197 -16.844 -16.752 100.911 1.00 34.72 7650 C LEU B 197 -16.844 -16.752 100.911 1.00 35.96 7651 O LEU B 197 -15.681 -15.359 104.074 1.00 36.35 7652 N ALA B 198 -16.762 -14.131 103.592 1.00 35.96 7653 CA ALA B 198 -16.782 -14.131 103.592 1.00 35.96 7655 C ALA B 198 -17.766 -13.069 103.671 10.00 35.46 7655 C ALA B 198 -17.766 -13.069 103.671 10.00 35.56 7657 N TYR B 199 -20.118 -12.551 103.855 10.40 38 1.00 35.46 7658 C TYR B 199 -20.802 -13.915 103.750 10.00 34.33 1.00 34.33 7665 C TYR B 199 -22.131 -14.481 105.567 10.00 34.80 1.00 34.80											
7646 CB CB LBU B 197 -15.883 17.610 103.033 1.00 36.67 7647 CG CB LBU B 197 -17.171 -17.316 102.275 1.00 35.62 7649 CD2 LEU B 197 -16.824 -16.752 100.911 1.00 34.72 7651 C LEU B 197 -15.681 -15.339 104.074 1.00 35.59 7651 O LEU B 197 -15.681 -15.339 104.074 1.00 36.69 7652 N ALA B 198 -15.672 -14.131 103.592 1.00 35.66 7653 CA ALA B 198 -15.672 -14.131 104.091 1.00 35.46 7654 CB ALA B 198 -17.766 -13.069 103.671 1.00 35.26 7655 C ALA B 198 -17.911 -13.417 102.504 1.00 34.76 7658 CS CA TYR B 199 -218.778											
7648 CG LEU B 197 -17.171 -17.316 102.275 1.00 35.82 7648 CDI LEU B 197 -18.028 -18.570 102.130 1.00 34.75 7659 CZ LEU B 197 -16.844 -16.752 100.911 1.00 35.59 7651 O LEU B 197 -16.844 -16.752 100.911 1.00 35.59 7652 N ALA B 198 -16.782 -14.131 103.592 1.00 35.96 7653 CA ALA B 198 -16.572 -14.131 103.592 1.00 35.96 7655 C ALA B 198 -16.787 8-13.076 104.291 1.00 35.96 7655 C ALA B 198 -16.766 -13.069 103.671 1.00 35.59 7656 C ALA B 198 -17.766 -13.069 103.671 1.00 35.46 7657 N TYR B 199 -18.778 12.666 104.438 1.00 34.75 7658 C TYR B 199 -20.118 -12.551 103.895 1.00 34.75 7659 CB TYR B 199 -21.164 -14.595 105.049 1.00 34.33 7661 CD 1 YR B 199 -22.781 -15.868 107.41 1.00 5.57 1.00 34.88 7662 CEI TYR B 199 -22.788 -15.115 106.741 1.00 34.48 7663 C TYR B 199 -22.781											
7648 CD1 LEU B 197 -18.028 - 18.570 102.130 1.00 34.72 7659 CD LEU B 197 -16.684 - 15.359 104.074 1.00 35.95 7651 O LEU B 197 -15.681 - 15.359 104.074 1.00 36.35 7652 N ALA B 198 -15.672 - 14.131 103.592 1.00 35.96 7653 CA ALA B 198 -15.672 - 14.131 103.592 1.00 35.46 7654 CB ALA B 198 -15.696 101.401 100.091 1.00 35.46 7655 C ALA B 198 -15.699 - 11.744 104.0699 1.00 35.56 7655 C ALA B 198 -17.766 - 13.069 103.671 1.00 35.25 7657 N TYR B 199 -18.778 - 12.686 104.438 1.00 34.76 7658 CA TYR B 199 -20.802 - 13.915 103.750 1.00 34.69 7660 CG TYR B 199 -21.164 - 14.595 105.499 1.00 34.33 7661 CD1 TYR B 199 -22.431 - 14.481 105.567 1.00 34.48 7662 CE1 TYR B 199 -22.431 - 14.481 105.567 1.00 34.48											
7649 CD2 LEU B 197 -16.844 -16.752 100.911 1.00 35.59 7651 C LEU B 197 -15.681 -15.359 104.074 1.00 36.59 7651 O LEU B 197 -16.209 -15.636 105.150 1.00 36.59 7652 N ALA B 198 -16.272 -14.131 103.592 1.00 35.96 7653 CA ALA B 198 -16.378 -13.076 104.291 1.00 35.96 7655 C ALA B 198 -17.66 -13.069 103.671 1.00 35.46 7656 O ALA B 198 -17.766 -13.069 103.671 1.00 35.46 7657 N TYR B 199 -18.778 -12.686 104.438 1.00 35.46 7658 CA TYR B 199 -20.118 -12.551 103.895 1.00 34.75 7669 CB TYR B 199 -20.118 -12.551 103.895 1.00 34.33 7661 CD TYR B 199 -22.788 -15.115 106.741 1.00 34.48 7662 CEI TYR B 199 -22.788 -15.115 106.741 1.00 34.33 7663 CZ TYR B 199 -22.249 -16.492 108.574 1.00 34.38											
76510 C LEU B 197 -15.681 -15.359 104.074 1.00 36.35 7651 O LEU B 197 -15.682 -10.09 15.636 105.100 36.96 7652 N ALA B 198 -15.672 -14.131 103.592 1.00 35.96 7653 CA ALA B 198 -15.689 -11.744 104.069 1.00 35.96 7655 C ALA B 198 -17.766 -13.069 103.671 1.00 35.25 7657 N TYR B 199 -17.711 -13.417 102.504 1.00 34.76 7658 CA TYR B 199 -20.1802 -13.915 103.755 1.00 34.76 7660 CG TYR B 199 -22.181 -12.551 105.757 1.00 34.83 7661 CD TYR B 199 -22.431 -14.481 105.567 1.00 34.83											
7651 O LEU B 197 -16.209 15.636 105.150 1.00 36.69 7652 N ALA B 198 -15.672 14.131 103.592 1.00 35.96 7653 CA ALA B 198 -16.378 -13.076 104.291 1.00 35.46 7655 C ALA B 198 -17.766 -13.069 103.671 1.00 35.26 7656 O ALA B 198 -17.766 -13.049 103.671 1.00 35.26 7657 N TYR B 199 -18.778 -12.660 104.388 1.00 34.75 7659 C TYR B 199 -20.118 -12.551 103.085 1.00 34.75 7661 CD TYR B 199 -21.164 -14.595 105.049 1.00 34.33 7663 CZ TYR B 199 -22.788 </td <td></td>											
7652 N ALA B 198 -15.672 -14.131 103.592 1.00 35.96 7653 CA ALA B 198 -15.672 -14.131 103.592 1.00 35.96 7655 C ALA B 198 -15.689 -11.744 104.069 1.00 34.80 7656 C ALA B 198 -17.766 13.069 103.671 1.00 35.46 7657 N TYR B 199 -18.778 -12.686 104.438 1.00 34.76 7658 CA TYR B 199 -20.181 -12.559 100.34.76 100.34.76 7660 CG TYR B 199 -21.614 -14.599 105.049 100.34.36 7661 CG TYR B 199 -22.788 -15.115 106.741 1.00 34.88 7661 CEI TYR B 199 -22.249 -16.492 108.574 1.00 34.48 7662 CEZ											
7653 CA ALA B 198 -16.378 -13.076 104.291 1.00 35.46 7654 CB ALA B 198 -15.688 -11.744 104.069 1.00 34.80 7655 C ALA B 198 -17.766 -13.069 103.671 1.00 35.25 7656 O ALA B 198 -17.711 -13.417 10.254 1.00 35.25 7657 CA TYR B 199 -18.778 -12.686 104.438 1.00 34.75 7659 CB TYR B 199 -20.118 -12.551 103.089 1.00 34.75 7660 CG TYR B 199 -21.164 -14.595 105.049 1.00 34.33 7661 CDI TYR B 199 -22.788 -15.115 106.741 1.00 34.33 7663 CZ TYR B 199 -22.249 -16.492 108.574 1.00 34.33											
7654 CB ALA B 198 -15.689 -11.744 104.069 1.00 34.80 7655 C ALA B 198 -17.766 -13.69 103.671 1.00 35.25 7656 O ALA B 198 -17.911 -13.417 102.504 1.00 35.25 7657 N TYR B 199 -20.118 -12.516 104.383 1.00 34.76 7659 CB TYR B 199 -20.181 -12.550 103.935 103.034.30 4.69 7660 CG TYR B 199 -21.164 -14.595 105.049 1.00 34.69 7661 CD TYR B 199 -22.431 14.481 105.567 1.00 34.88 7662 CE TYR B 199 -22.249 -16.492 108.774 1.00 34.37 7665 CE TYR B 199 </td <td></td>											
7655 C ALA B 198 -17.766 13.06 103.671 1.00 35.25 7657 N ALA B 198 -17.766 13.06 103.671 1.00 35.25 7658 N TYR B 199 -18.778 -12.686 104.438 1.00 34.76 7659 CB TYR B 199 -20.118 -12.551 103.855 1.00 34.76 7660 CG TYR B 199 -22.082 -13.915 103.750 1.00 34.33 7662 CEI TYR B 199 -22.431 -14.481 105.567 -10.00 34.33 7663 CZ TYR B 199 -22.431 -14.481 105.567 -10.00 34.48 7665 CEZ TYR B 199 -22.249 -16.492 108.574 1.00 34.33 7665 CZ TYR B 199 -20.244 -15.371 105.742 1.00 34.33 <th< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></th<>											
7655 0 ALA B 198 -17.911 -13.417 102.504 1.00 35.46 7657 N TYR B 99 -18.778 12.686 104.438 1.00 34.75 7659 CB TYR B 199 -20.118 -12.551 103.885 1.00 34.75 7660 CB TYR B 199 -21.164 -14.595 105.049 1.00 34.33 7661 CD TYR B 199 -22.188 15.15 105.697 1.00 34.88 7662 CBT TYR B 199 -22.788 15.115 106.741 1.00 34.88 7663 CZ TYR B 199 -22.88 15.115 106.714 1.00 34.51 7665 CEZ TYR B 199 -20.587 16.002 106.917 1.00 34.51 7666 CEZ TYR B 199 -20.587<											
7657 N TYR B 199 -18.778 -12.686 104.438 1.00 34.76 7658 CB TYR B 99 -20.118 -12.581 103.885 1.00 34.76 7650 CB TYR B 99 -20.802 -13.915 103.750 1.00 34.69 7661 CDI TYR B 199 -22.431 -14.481 105.567 1.00 34.88 7662 CEI TYR B 199 -22.431 -14.481 105.567 1.00 34.48 7663 CE TYR B 199 -22.788 -15.115 106.741 1.00 34.33 7665 CEZ TYR B 199 -22.249 -16.492 108.574 1.00 34.33 7666 CEZ TYR B 199 -20.244 -15.371 105.742 1.00 34.33 7667 C TYR B 199 </td <td></td>											
7658 CA TYR B 199 -20.118 -12.551 103.885 1.00 34.75 7659 CB TYR B 199 -20.02 -13.915 103.750 1.00 34.69 7661 CDI TYR B 199 -21.164 -14.4595 105.049 1.00 34.38 7662 CEI TYR B 199 -22.243 -14.448 105.567 1.00 34.88 7663 CZ TYR B 199 -22.249 -16.492 108.574 1.00 34.51 7665 CEZ TYR B 199 -22.249 -16.492 108.574 1.00 34.51 7666 CEZ TYR B 199 -20.587 -16.002 106.917 1.00 33.81 7667 C TYR B 199 -20.587 -16.002 106.937 1.00 34.47 7670 C TYR B 199											
7659 CB TYR B 99 -20.802 -13.915 103.750 1.00 34.69 7660 CG TYR B -21.616 -14.159 105.079 1.00 34.63 7661 CDI TYR B 199 -21.164 -14.595 105.074 1.00 34.83 7662 CE TYR B 199 -22.431 -14.481 105.567 1.00 34.48 7663 CE TYR B 199 -21.863 -15.868 107.411 1.00 34.37 7665 CE TYR B 199 -20.287 -16.002 106.917 1.00 33.39 7666 CD TYR B 199 -20.244 -15.371 105.742 1.00 33.39 7666 CD TYR B 199 -20.234 -15.371 105.742 1.00 34.33 7667 C TYR B 199 -22.05											
7660 CG TYR B 199 -22.164 -14.595 105.049 1.00 34.33 7661 CDI TYR B 199 -22.788 -15.115 106.741 1.00 34.83 7662 CEI TYR B 199 -22.788 -15.115 106.741 1.00 34.48 7664 CH TYR B 199 -22.289 -16.482 108.574 1.00 34.51 7666 CEZ TYR B 199 -20.244 -16.492 108.574 1.00 34.51 7667 C TYR B 199 -20.244 -15.371 105.742 1.00 33.81 7668 O TYR B 199 -21.006 -11.591 104.662 1.00 35.01 7670 CA ALA B 200 -22.058 -11.106 104.023 1.00 34.47 7671 CB ALA B 200 -23.355 -9.061 103.760 1.00 33.97 7672 C ALA B 200 -24.498 -12.068 104.151 1.00 <td></td>											
7661 CDI TYR B 199 -22.431 -14.481 105.567 1.00 34.88 7662 CEI TYR B 199 -22.788 -15.186 107.414 1.00 34.88 7664 OE TYR B 199 -22.888 -15.1868 107.414 1.00 34.81 7665 CEZ TYR B 199 -20.587 -16.002 106.917 1.00 34.81 7666 CEZ TYR B 199 -20.284 -15.371 105.742 1.00 33.33 7666 CE TYR B 199 -20.036 -11.302 105.557 1.00 34.69 7669 N ALA B 200 -22.058 -11.106 104.023 1.00 34.69 7671 CB ALA B 200 -23.055 -10.246 104.649 1.00 34.15 7671 CB ALA B 2											
7662 CRI TYR B 199 -22.788 - 15.115 106.741 1.00 34.48 7663 CZ TYR B 199 -21.863 - 15.868 107.414 1.00 34.37 7664 CZ TYR B 199 -22.249 - 16.492 108.574 1.00 34.37 7665 CZ TYR B 199 -20.587 - 16.002 106.917 1.00 33.39 7666 CZ TYR B 199 -20.244 - 15.371 105.742 1.00 33.39 7668 C TYR B 199 -20.036 - 11.302 105.857 1.00 34.69 7670 CA ALA B 200 -22.058 - 11.106 104.023 1.00 34.47 7671 CB ALA B 200 -23.355 - 9.061 103.760 1.00 33.97 7672 C ALA B 200 -24.498 - 12.068 104.151 1.00 34.95 7673 C ALA B 200 -24.498 - 12.068 104.151 1.00 34.91 7672 C ALA B 201 -25.996 - 10.704 105.841 1.00 34.93 7673 C ALA B 201 -26.373 - 11.356											
7663 CZ TYR B 199 -21.863 -15.868 107.414 1.00 34.51 7664 OH TYR B 199 -22.249 -16.492 108.574 1.00 34.51 7665 CEZ TYR B 199 -20.587 -16.002 106.917 1.00 33.39 7666 CDZ TYR B 199 -20.244 -15.371 105.742 1.00 33.39 7667 C TYR B 199 -21.060 -11.591 104.662 1.00 35.61 7669 N ALA B 200 -22.058 -11.106 104.023 1.00 34.69 7670 CA ALA B 200 -23.045 -10.246 104.649 1.00 34.12 7671 CB ALA B 200 -23.055 -9.061 10.3760 103.760 1.00 34.39 7673 C ALA B 200 -24.290 -11.077 104.852 1.00 34.39 7674 N GLN B 201 -25.096 -10.704 105.841 1.00 34.15 7675 CA GLN B 201 -26.373 -11.356 106.069 1.00 34.95 7676 CB GLN B 201 -27.724 -12.772 107.659 1.00 34.26 7677 CG GLN B 201 -27.734 -12.577 107.352 1.00 34.27 <td></td>											
7664 OH TYR B 199 -22.249 -16.492 108.574 1.00 34.37 7665 CEZ TYR B -99 -20.587 -16.002 106.91 -1.00 33.33 7667 C TYR B 199 -20.244 -15.371 105.742 1.00 33.39 7668 O TYR B 199 -20.736 -11.302 105.857 1.00 34.47 7670 CA ALA B 200 -22.058 -11.106 104.623 1.00 34.47 7671 CB ALA B 200 -22.058 -11.106 104.023 1.00 34.47 7671 CB ALA B 200 -22.355 -9.061 103.760 1.00 33.97 7672 C ALA B 200 -24.498 -12.068 104.151 1.00 34.15 7674 N GLN B 201											
7665 CB2 TYR B 199 -20.587 -16.002 106.917 1.00 33.81 7667 CD TYR B 199 -20.244 -15.371 105.742 1.00 33.33 7667 C TYR B 199 -21.006 -11.591 104.602 1.00 34.69 7669 N ALA B 200 -22.585 -11.106 104.023 1.00 34.69 7670 CA ALA B 200 -22.505 -11.106 104.023 1.00 34.12 7671 CB ALA B 200 -23.555 -9.661 103.766 10.00 34.12 7673 C ALA B 200 -24.290 -11.077 104.852 1.00 34.15 7675 C GIN B 201 -26.373 -13.356 106.069 1.00 34.15 7675 C GIN B 201 -26.377 <											
7666 CD2 TYR B 99 -20.244 15.371 105.742 1.00 33.39 7667 C TYR B 99 -21.006 -11.591 104.682 1.00 33.39 7668 O TYR B 99 -22.058 -11.302 105.857 1.00 34.01 7670 CA ALA B 200 -22.058 -11.106 104.623 1.00 34.47 7671 CB ALA B 200 -22.355 -9.061 103.760 1.00 34.97 7672 C ALA B 200 -24.299 -10.707 104.852 1.00 34.15 7673 O ALA B 201 -24.498 -12.068 104.151 1.00 34.15 7674 O GLN B 201 -26.373 -11.356 106.069 1.00 33.93 7675 C G GLN B											
7667 C TYR B 199 -21.006 -11.591 104.662 1.00 35.01 7668 O TYR B 199 -20.736 -11.302 105.897 1.00 34.69 7669 N ALA B 200 -22.058 -11.106 104.023 1.00 34.47 7671 CB ALA B 200 -23.355 -9.061 103.760 1.00 34.97 7672 C ALA B 200 -24.290 -11.077 104.852 1.00 34.39 7673 O ALA B 200 -24.290 -11.077 104.852 1.00 34.39 7675 A ALA B 201 -24.290 -10.704 105.841 1.00 34.40 7676 CB GLN B 201 -25.096 -10.704 105.841 1.00 34.40 7675 CA GLN B 201 -26.377 -12.167 107.352 1.00 34.46 7677 CG GLN B 201 -27.724 -12.772 107.659 1.00 33.53 7678 CD GLN B 201 -27.784 -12.724 12.772 107.659 1.00 33.53 7680 NE2 GLN B 201 -27.755 -14.507 109.314 1.00 33.53 7681 C GLN B 201 -27.755 -14.507 109.314 1.00 34.41											
7668 0 TXR B 199 -20.736 -11.302 105.857 1.00 34.69 7669 N ALA B 00 -22.058 -11.106 104.023 1.00 34.69 7670 CA ALA B 200 -23.045 -10.246 104.649 1.00 34.12 7671 CB ALA B 200 -24.299 -11.077 104.852 1.00 34.15 7673 O ALA B 200 -24.498 -12.068 104.151 1.00 34.15 7674 N GLN B 201 -25.966 -10.704 105.841 1.00 34.15 7675 CA GLN B 201 -26.373 -11.356 106.069 1.00 33.96 7676 CB GLN B 201 -27.737 -12.167 107.552 1.00 34.15 7678 CB GLN B 201											
7669 N ALA B 200 -22.058 -11.106 104.023 1.00 34.47 7670 CA ALA B 200 -23.045 -10.246 104.649 1.00 34.27 7671 CB ALA B 200 -23.355 -9.061 103.760 1.00 34.39 7673 O ALA B 200 -24.290 -11.077 104.852 1.00 34.39 7675 O ALA B 200 -24.498 -12.068 104.151 1.00 34.40 7676 CB GLN B 201 -26.377 -12.167 107.552 1.00 34.40 7677 CG GLN B 201 -26.377 -12.167 107.552 1.00 34.46 7678 CD GLN B 201 -27.784 12.72 107.579 107.09 11.00 33.53 7679 DEI GLN B 201 -27.757 14.507 106.163 1.00 31.03 <t< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></t<>											
7670 CA ALA B 200 -23.045 -10.246 104.649 1.00 34.12 7671 CB ALA B 200 -23.055 -9.061 103.760 1.00 34.39 7673 C ALA B 200 -24.290 -11.077 104.852 1.00 34.39 7673 O ALA B 200 -24.998 -10.0704 105.841 1.00 34.15 7674 N GLN B 201 -25.096 -10.704 105.841 1.00 34.15 7675 CA GLN B 201 -26.373 -11.356 106.069 1.00 33.96 7677 CG GLN B 201 -27.737 -12.677 107.552 1.00 34.15 7678 CB GLN B 201 -27.775 -14.507 109.314 1.00 33.56 7681 C GLN B 201 -27.435 -10.274 106.163 1.00 34.41 76											
7671 CB ALA B 200 -23.355 -9.061 103.760 1.00 33.97 7672 C ALA B 200 -24.290 -11.077 104.852 1.00 34.39 7673 O ALA B 200 -24.498 -12.068 104.151 1.00 34.15 7676 CA GLN B 201 -25.096 -10.704 105.841 1.00 34.40 7676 CB GLN B 201 -26.377 -11.356 106.069 1.00 33.46 7677 CG GLN B 201 -27.724 -12.772 107.559 1.00 34.46 7679 DEI GLN B 201 -27.753 1.00 10.03 35.35 7681 C GLN B 201 -27.757 14.507 10.6163 1.00 31.03 31.09 7682 O GLN B 201											
7672 C ALA B 200 -24.290 -11.077 104.852 1.00 34.39 7673 O ALA B 200 -24.498 -12.068 104.151 1.00 34.15 7674 N GLN B 201 -25.096 -10.704 105.841 1.00 34.40 7675 CA GLN B 201 -26.373 -11.356 106.069 1.00 33.96 7677 CG GLN B 201 -26.373 -12.172 107.659 1.00 32.51 7678 CD GLN B 201 -27.724 -12.772 107.659 1.00 32.51 7679 OEI GLN B 201 -27.734 -13.236 10.00 31.00 34.27 7680 NE2 GLN B 201 -27.775 -14.507 109.314 1.00 33.56 7681 C GLN B 201 -27.435 -10.274 106.163 1.00 34.41 7											
7673 0 ALA B 200 -24.498 -12.068 104.151 1.00 34.15 7674 N GLN B 201 -25.996 -10.704 105.841 1.00 34.05 7675 CA GLN B 201 -26.373 -11.356 106.069 1.00 34.46 7676 CB GLN B 201 -26.373 -12.167 107.352 1.00 34.46 7677 CG GLN B 201 -27.724 -12.772 107.659 1.00 33.53 7678 CD GLN B 201 -27.724 -12.772 107.659 1.00 33.53 7680 DL GLN B 201 -27.755 -14.507 109.314 1.00 33.56 7681 C GLN B 201 -27.775 -14.507 109.314 1.00 33.56 7682 O GLN B 201 -27.296 -9.334 106.945 1.00 34.11 7683 N PHE B 202 -29.504 -10.414 105.383 1.00 34.41 7683 CB PHE B 202 -29.508 -9.366 105.324 1.00 34.61 7685 CB PHE B 202 -29.508 -9.366 105.324 1.00 32.58 7686 CB PHE B 202 -28.003 -7.023 103.510 1.00 32.77 7688 CB PHE B 202 -28.003 -7.023 103.510 1.00 27.76 7689 CP PHE B 202 -28.											
7675 CA GLN B 201 -25.096 -10.704 105.841 1.00 34.40 7677 CG GLN B 201 -26.373 -11.356 106.069 1.00 33.96 7678 CB GLN B 201 -27.724 -12.167 107.352 1.00 34.46 7677 CG GLN B 201 -27.724 -12.772 107.659 1.00 32.51 7678 CD GLN B 201 -27.734 -13.278 109.076 1.00 33.56 7679 0E1 GLN B 201 -27.775 -14.507 109.314 1.00 33.56 7680 NE2 GLN B 201 -27.775 -14.507 109.314 1.00 33.56 7680 NE2 GLN B 201 -27.435 -10.274 106.163 1.00 34.27 7682 CD GLN B 201 -27.435 -10.274 106.163 1.00 34.27 7682 CD GLN B 201 -27.956 -9.334 106.945 1.00 34.27 7682 CD FLB B 202 -28.504 -10.414 105.383 1.00 34.03 35.56 7685 CB PHE B 202 -29.508 -9.366 105.324 1.00 33.58 7685 CG PHE B 202 -28.403 -8.329 103.267 1.00 33.58 7686 CG PHE B 202 -28.403 -8.329 103.267 1.00 33.65 7686 CG PHE B 202 -28.403 -8.329 103.267 1.00 33.65 7688 CE1 PHE B 202 -28.604 -7.6556 102.961 1.00 27.76 7689 CE PHE B 202 -26.647 -6.556 102.961 1.00 27.76 7689 CZ PHE B 202 -26.647 -6.556 102.961 1.00 27.76											
7675 CA GLN B 201 -26.373 -11.356 106.069 1.00 34.96 7676 CB GLN B 201 -26.377 -12.167 107.352 1.00 34.46 7677 CG GLN B 201 -27.724 -12.772 107.659 1.00 32.51 7679 DEI GLN B 201 -27.7834 -13.283 109.076 1.00 33.56 7681 C GLN B 201 -27.757 -14.507 109.314 1.00 33.51 7681 C GLN B 201 -28.019 -12.361 110.028 1.00 31.19 7682 O GLN B 201 -27.296 -9.334 106.945 1.00 34.41 7683 N PHE B 202 -29.508 -9.366 105.324 1.00 34.61 7685 CB PHE B 202 -29.508 -9.366 105.324 1.00 34.65 7685 CB PHE B 202 -28.003 -8.329 103.267 1.00 31.65 7687 CDI PHE B 202 -28.003 -7.023 103.510 1.00 32.76 7688 CB PHE B 202 -28.003 -7.023 103.510 1.00 27.76 7689 CB PHE B 202 -26.047 -6.536 102.961 1.00 27.18											
7676 CB GLN B 201 -26.377 -12.167 107.352 1.00 34.46 7678 CG GLN B 201 -27.724 -12.772 107.659 1.00 34.46 7679 OE1 GLN B 201 -27.7834 -13.283 109.076 1.00 33.56 7680 NE2 GLN B 201 -28.019 -12.361 110.028 1.00 34.27 7681 C GLN B 201 -27.435 -10.274 106.163 1.00 34.27 7682 O GLN B 201 -27.296 -9.34 106.945 1.00 34.27 7681 C GLN B 201 -27.296 -9.34 106.945 1.00 34.41 7682 C PHE B 202 -28.504 -10.414 105.383 1.00 34.41 7685 C B PHE B 202 -29.508 -9.366 105.324 1.00 31.65 768											
7677 CG GLN B 201 -27.724 -12.772 107.659 1.00 32.51 7678 CD GLN B 201 -27.834 -13.283 109.076 1.00 33.53 7680 NE2 GLN B 201 -27.775 -14.507 109.314 1.00 33.53 7681 C GLN B 201 -27.435 -10.274 106.163 1.00 34.71 7683 O GLN B 201 -27.296 -9.334 106.945 1.00 34.41 7685 CB PHE B 202 -29.508 -9.366 105.324 1.00 33.58 7685 CB PHE B B 202 -29.508 -9.366 105.324 1.00 33.58 7687 CD PHE B 202 -28.003 -8.329 103.267 1.00 31.65 7687 CD PHE B 202 -28.003 -7.023 103.510 1.00 27.76											
7678 CD GLN B 201 -27.834 -13.283 109.076 1.00 33.53 7680 NE2 GLN B 201 -22.7775 -14.507 109.314 1.00 33.53 7681 C GLN B 201 -28.019 -12.361 110.028 1.00 34.27 7682 O GLN B 201 -27.966 -9.334 106.945 1.00 34.27 7683 N PHE B 201 -27.966 -9.334 106.945 1.00 34.27 7684 CA PHE B B 202 -28.504 -10.414 105.332 1.00 34.03 3.58 7685 CB PHE B B 202 -29.678 -8.875 103.876 1.00 32.92 7687 CD PHE B B 202 -28.403 -8.875 103.876 1.00 31.65 7689 CE1 PHE B 202 -28.603 -7.023											
7679 OR1 GLN B 201 -27.775 -14.507 109.314 1.00 33.56 7681 C GLN B 201 -28.019 -12.361 110.028 1.00 31.19 7681 C GLN B 201 -27.435 -10.274 106.163 1.00 34.27 7683 N PHE B 202 -28.504 -10.414 105.383 1.00 34.03 7685 CB PHE B 202 -29.508 -9.366 105.324 1.00 33.58 7687 CDI PHE B 202 -28.403 -8.379 103.267 1.00 31.65 7687 CDI PHE B 202 -28.403 -8.329 103.267 1.00 27.76 7688 CEI PHE B 202 -28.003 -7.023 103.561 1.00 27.76 7689 CE PHE B 202 -26.047 -6.536 102.961 1.00 27.03 76											
7681 C GLN B 201 -28.019 -12.361 110.028 1.00 31.19 7681 C GLN B 201 -27.435 -10.274 106.163 1.00 34.27 7682 O GLN B 201 -27.296 -9.334 106.945 1.00 34.03 7684 C PHE B 202 -28.504 -10.414 105.333 1.00 34.03 7685 CB PHE B 202 -29.508 -9.366 105.3246 1.00 31.58 7687 CD PHE B 202 -28.403 -8.875 103.876 1.00 31.65 7689 CE PHE B 202 -28.003 -7.023 103.267 1.00 27.18 7689 CZ PHE B 202 -26.847 -6.536 102.961 1.00 27.18 7689 CZ PHE B 202											
7681 C GLN B 201 -27.435 -10.274 106.163 1.00 34.27 7683 N PHE B 202 -28.504 -10.414 105.383 1.00 34.03 7685 CB PHE B 202 -29.508 -9.366 105.324 1.00 33.58 7687 CD PHE B 202 -29.678 -8.875 103.876 1.00 32.92 7687 CD PHE B 202 -28.403 -8.329 103.267 1.00 27.18 7689 CE PHE B 202 -26.043 -7.023 103.267 1.00 27.18 7689 CE PHE B 202 -26.047 -6.536 102.961 1.00 27.18 7689 CZ PHE B 202 -26.045 -7.356 102.961 1.00 27.18 7690 CZ PHE B 202 -26.045 -7.356 102.164 1.00 26.78 7690 <td></td>											
7682 O GLN B 201 -27.296 -9.334 106.945 1.00 34.41 7683 N PHE B 202 -28.504 -10.414 105.383 1.00 34.03 7685 CB PHE B 202 -29.508 -9.366 105.324 1.00 33.58 7686 CG PHE B 202 -28.603 -8.875 103.876 1.00 32.92 7687 CDI PHE B 202 -28.003 -7.023 103.251 1.00 31.65 7688 CBI PHE B 202 -28.003 -7.023 103.510 1.00 27.76 7689 CZ PHE B 202 -26.047 -6.536 102.961 1.00 27.16 7690 CZ PHE B 202 -26.045 -7.356 102.961 1.00 27.02											
7683 N PHE B 202 -28.504 -10.414 105.383 1.00 34.03 7685 CB PHE B 202 -29.508 -9.366 105.324 1.00 33.58 7686 CB PHE B 202 -29.678 -8.875 103.876 1.00 31.65 7687 CDI PHE B 202 -28.403 -8.329 103.267 1.00 27.16 7689 CEI PHE B 202 -26.847 -6.536 102.961 1.00 27.18 7690 CZ PHE B 202 -26.045 -7.356 102.961 1.00 27.18 7690 CZ PHE B 202 -26.045 -7.356 102.961 1.00 27.18											
7684 CA PRE B 202 -29.508 -9.366 105.324 1.00 33.58 7685 CB PRE B 202 -29.678 -8.875 103.879 1.00 32.92 7686 CG PRE B 202 -28.403 -8.329 103.267 1.00 31.65 7687 CDI PRE B 202 -28.003 -7.023 103.510 1.00 27.76 7689 CEI PRE B 202 -26.047 -6.536 102.961 1.00 27.18 7690 CE PRE B 202 -26.045 -7.356 102.164 1.00 26.78 7690 CE PRE B 202 -26.429 -8.647 70.192 1.00 27.05											
7685 CB PHE B 202 -29.678 -8.875 103.876 1.00 32.92 7687 CDI PHE B 202 -28.403 -8.329 103.267 1.00 21.60 7688 CEI PHE B 202 -28.403 -7.023 103.510 1.00 27.18 7689 CZ PHE B 202 -26.847 -6.536 102.1961 1.00 27.18 7690 CE2 PHE B 202 -26.445 -7.356 102.164 1.00 27.08 7690 CE2 PHE B 202 -26.429 -8.647 102.164 1.00 27.08											
7686 CG PHE B 202 -28.403 -8.329 103.267 1.00 31.65 7687 CDI PHE B 202 -28.003 -7.023 103.510 1.00 27.76 7688 CEI PHE B 202 -26.847 -6.536 102.961 1.00 27.18 7689 CZ PHE B 202 -26.045 -7.356 102.164 1.00 27.18 7690 CEZ PHE B 202 -26.429 -8.647 101.922 1.00 27.18											
7687 CDI PHE B 202 -28.003 -7.023 103.510 1.00 27.76 7688 CZ PHE B 202 -26.847 -6.536 102.961 1.00 27.18 7689 CZ PHE B 202 -26.045 -7.356 102.164 1.00 26.78 7690 CZ PHE B 202 -26.429 -8.647 101.922 1.00 27.05											
7688 CEI PHE B 202											
7689 CZ PHE B 202 -26.045 -7.356 102.164 1.00 26.78 7690 CE2 PHE B 202 -26.429 -8.647 101.922 1.00 27.05											
7690 CE2 PHE B 202 -26.429 -8.647 101.922 1.00 27.05											

FIGURE 3 EU

Total Color
7693 O PRE B 202 -31.283 -10.925 105.738 1.00 34.06 7694 N ASN B 203 -31.382 -8.956 106.773 1.00 34.76 7695 CA ASN B 203 -32.612 -9.267 107.473 1.00 35.36 7697 CG ASN B 203 -33.549 -9.565 109.817 1.00 35.36 7698 ND2 ASN B 203 -33.649 -9.565 109.817 1.00 39.09 7699 ND2 ASN B 203 -33.672 -8.325 106.926 1.00 35.44 7701 C ASN B 203 -33.517 -7.13 107.046 1.00 35.44 7701 O ASN B 203 -33.517 -8.325 106.296 1.00 35.44 7701 O ASN B 203 -33.517 -7.13 107.046 1.00 35.12 7704
7694 N ASN B 203 -31.382 -8.956 106.771 1.00 34.76 7695 CA ASN B 203 -32.612 -9.267 107.473 1.00 35.426 7696 CB ASN B 203 -32.397 -9.046 108.975 1.00 35.36 7697 CG ASN B 203 -34.646 -9.813 109.311 1.00 38.08 7699 ND2 ASN B 203 -33.672 -9.225 100.926 1.00 35.467 7700 C ASN B 203 -33.507 -9.729 111.117 1.00 34.51 7701 O ASN B 203 -33.517 -7.113 107.046 1.00 35.12 7701 O ASP B 204 -35.775 -8.040 105.705 1.00 36.12 7704 CB ASP B 204 -35.775 -8.040 105.705 1.00 36.12 7705
7695 CA ASN B 203 -32.612 -9.267 107.473 1.00 35.42 7697 CG ASN B 203 -23.937 -9.046 108.975 1.00 35.42 7698 CG ASN B 203 -33.549 -9.565 109.817 1.00 38.08 7699 ND2 ASN B 203 -33.308 -9.729 111.117 1.00 44.51 7701 O ASN B 203 -33.517 -7.113 107.046 1.00 35.44 7702 N ASP B 204 -34.730 -8.870 10.6319 1.00 35.37 7703 CA ASP B 204 -35.757 -8.040 105.705 1.00 35.99 7705 CG ASP B 204 -35.880 -8.318 104.199 1.00 35.99 7706 CD1 ASP B 204 -35.167 -6.602 102.666 1.00 35.99 7708
7696 CB ASN B 203 -32.397 -9.046 108.975 1.00 35.36 7697 CG ASN B 203 -33.549 -9.565 109.817 1.00 38.08 7699 ND2 ASN B 203 -34.646 -9.813 109.311 1.00 39.09 7699 ND2 ASN B 203 -33.308 -9.729 111.117 1.00 34.51 7700 C ASN B 203 -33.517 -7.113 107.046 1.00 35.12 7701 O ASP B 204 -34.730 -8.870 106.319 1.00 35.12 7703 CA ASP B 204 -35.775 -8.040 105.705 1.00 36.12 7704 CB ASP B 204 -35.880 -8.318 104.19 1.00 36.29 7705 CG ASP B 204 -31.668 -7.543 103.398 1.00 35.99 7706
7697 CG ASN B 203 -33.549 -9.565 109.817 1.00 38.08 7698 OID ASN B 203 -34.646 -9.813 10.00 38.08 7699 ND2 ASN B 203 -33.672 -8.25 106.226 1.00 34.51 7700 C ASN B 203 -33.517 -7.113 107.046 1.00 35.44 7703 CA ASP B 204 -34.730 -8.870 106.319 1.00 35.37 7705 CG ASP B 204 -35.880 -8.318 104.199 1.00 35.99 7705 CG ASP B 204 -34.869 -7.533 103.3486 1.00 35.99 7706 OD1 ASP B 204 -35.869 -7.838 103.486 1.00 35.99 7707 OD2 ASP B 204 -37.135 -6.602 102.666 1.00 35.99 7708 C
7698 OD1 ASN B 203 -34.646 -9.813 109.311 1.00 39.09 7699 ND ASN B 203 -33.672 -8.325 106.926 1.00 35.44 7701 O ASN B 203 -33.672 -8.325 106.926 1.00 35.44 7702 N ASP B 204 -34.730 -8.870 106.319 1.00 35.12 7704 CR ASP B 204 -35.775 -8.040 105.705 1.00 36.12 7705 CG ASP B 204 -35.880 -8.318 104.199 1.00 36.29 7706 OD1 ASP B 204 -35.866 -7.838 103.398 1.00 35.99 7707 OD2 ASP B 204 -35.167 -6.602 120.666 1.00 35.99 7708 C ASP B 204 -31.135 -8.243 106.354 1.00 37.26 7708
7699 ND2 ASN B 203 -33.308 -9.729 111.117 1.00 44.51 7700 C ASN B 203 -33.727 -8.325 106.926 1.00 35.42 7701 O ASN B 203 -33.517 -7.113 107.046 1.00 35.12 7703 C ASP B 204 -35.775 -8.040 105.705 1.00 35.37 7705 C ASP B 204 -35.880 -8.318 104.199 1.00 36.29 7705 C ASP B 204 -35.866 -7.838 103.496 1.00 35.99 7706 OD ASP B 204 -35.167 -6.602 102.666 1.00 38.20 7707 OD2 ASP B 204 -37.135 -8.243 106.346 1.00 35.99 7710 N TRR B 205 -37.109 -8.818 107.546 1.00 37.48 7711
7700 C ASN B 203 -33.672 -8.325 106.926 1.00 35.44 7701 O ASN B 203 -33.672 -8.325 106.926 1.00 35.44 7702 N ASP B 204 -34.730 -8.870 106.319 1.00 35.37 7704 CB ASP B 204 -35.785 -8.040 105.705 1.00 36.12 7706 OD ASP B 204 -35.880 -8.318 104.199 1.00 36.99 7707 OD ASP B 204 -35.668 -7.831 103.398 1.00 35.99 7708 CD ASP B 204 -35.167 -6.602 102.666 1.00 35.99 7708 C ASP B 204 -37.135 -8.243 106.399 1.00 36.63 7710 N ASP B 204 -37.135 -8.243 106.397 1.00 37.26 7711
7702
7702 N ASP B 204 -34.730 -8.870 106.319 1.00 35.37 7703 CA ASP B 204 -35.775 -8.040 105.705 1.00 36.12 7704 CB ASP B 204 -35.880 -8.318 104.199 1.00 36.22 7706 ODI ASP B 204 -34.869 -7.533 103.398 1.00 35.99 7707 OD2 ASP B 204 -35.167 -6.602 102.666 1.00 35.99 7708 C ASP B 204 -35.167 -6.602 102.666 1.00 35.99 7709 O ASP B 204 -37.135 -8.243 106.354 1.00 36.79 7710 N ASP B 204 -37.135 -8.243 106.354 1.00 37.98 7710 N ASP B 204 -37.135 -8.243 106.357 1.00 36.63 7711
7703 CA ASP B 204 -35.775 -8.040 105.705 1.00 36.12 7704 CB ASP B 204 -35.880 -8.318 104.199 1.00 36.29 7705 CG ASP B 204 -34.869 -7.543 103.398 1.00 35.99 7706 OD1 ASP B 204 -33.668 -7.838 103.486 1.00 38.20 7708 C ASP B 204 -35.167 -6.602 102.666 1.00 35.99 7709 O ASP B 204 -37.135 -8.243 106.354 1.00 36.77 7709 O ASP B 204 -38.174 -7.885 105.799 1.00 36.37 7711 CA THR B 205 -37.096 -8.818 107.546 1.00 37.26 7711 CA THR B 205 -37.096 -8.818 107.546 1.00 37.26 7712 CB THR B 205 -37.777 -9.252 109.815 1.00 37.68 7713 OG1 THR B 205 -36.589 -10.057 109.849 1.00 39.05 7715 C THR B 205 -36.589 -10.057 109.849 1.00 39.05 7715 C THR B 205 -38.711 -10.014 110.661 1.00 37.50 7715 C THR B 205 -38.711 -10.014 110.661 1.00 37.50 7715 C THR B 205 -39.102 -6.866 108.477 1.00 37.46 7715 C THR B 205 -39.102 -6.866 108.477 1.00 37.68 7717 D C G G G G G G G G G G G G G G G G G G
7704 CB ASP B 204 -35.880 -8.318 104.199 1.00 36.29 7705 CG ASP B 204 -34.869 -7.531 103.398 1.00 35.99 7706 OD1 ASP B 204 -33.668 -7.838 103.486 1.00 38.20 7707 OD2 ASP B 204 -35.167 -6.602 102.666 1.00 35.99 7708 C ASP B 204 -37.135 -8.243 106.354 1.00 36.63 7710 N TRR B 205 -37.096 -8.818 107.546 1.00 37.66 7711 C THR B 205 -37.777 -9.252 109.815 1.00 37.48 7112 CB THR B 205 -37.777 -9.252 109.815 1.00 37.68 7113 OG1 THR B 205 -38.717 -10.014 110.661 1.00 37.68 7114 CG2 THR B 205 -38.717 -10.014 110.631 1.00 37.50 7115 C THR B 205 -39.407 -8.141 108.311 1.00 37.68 7116 O THR B 205 -39.407 -8.151 108.135
7705 CG ASP B 204 -34.869 -7.543 103.398 1.00 35.99 7706 OD1 ASP B 204 -33.668 -7.838 103.486 1.00 38.20 7708 C ASP B 204 -35.167 -6.602 102.666 1.00 35.99 7709 O ASP B 204 -38.174 -7.885 105.799 1.00 36.77 7711 C ASP B 205 -38.255 -9.136 108.367 1.00 37.26 7112 CB THR B 205 -38.255 -9.136 108.367 1.00 37.68 7113 GI THR B 205 -36.777 79.252 109.815 1.00 37.68 7114 CG2 THR B 205 -36.777 79.252 109.815 1.00 37.68 7114 CG2 THR B 205 -36.777 79.252 109.815 1.00 37.50 7115 C THR B 205 -34.797 -8.141 110.661 1.00
7706 OD1 ASP B 204 -33.668 -7.838 103.486 1.00 38.20 7707 OD2 ASP B 204 -35.167 -6.602 102.666 1.00 35.99 7708 C ASP B 204 -37.135 -8.243 106.354 1.00 35.99 7709 O ASP B 204 -37.105 -8.213 106.354 1.00 36.63 7710 N THR B 205 -37.709 -8.818 107.546 1.00 37.48 7711 C THR B 205 -37.777 -9.252 109.815 1.00 37.48 7712 C THR B 205 -36.589 -10.057 109.849 1.00 39.08 7713 OG1 THR B 205 -38.771 -10.014 110.661 1.00 37.50 7713 OG1 THR B 205 -39.407 -8.141 108.311 1.00 37.50 7713 </td
7708 C
7708 C ASP B 204 -37.135 -8.243 106.354 1.00 36.77 7709 O ASP B 204 -38.174 -7.85 105.799 1.00 36.63 7710 N THR B 205 -37.096 -8.818 107.546 1.00 37.48 7711 CA THR B 205 -37.777 -9.252 109.815 1.00 37.48 7113 OCI THR B 205 -37.777 -9.252 109.815 1.00 37.68 7114 CC2 THR B 205 -36.589 -10.057 109.849 1.00 37.68 7715 C THR B 205 -39.471 -0.014 110.661 1.00 37.68 7711 O THR B 205 -39.407 -8.141 108.311 1.00 37.68 7711 O GLU B 206 -40.579 -8.525 108.135 1.00 37.68 7713 C GLU B 206 -40.579 -8.525 108.135 1.00 37.10 7713 C GLU B 206 -40.190 -5.900 108.498 1.00 37.10 7113 C GLU B 206 -40.222 -5.130 112.31
7709 O ASP B 204 -38.174 -7.885 105.799 1.00 36.63 7710 N THR B 205 -37.079 -9.252 109.815 1.00 37.26 7711 CB THR B 205 -37.777 -9.252 109.815 1.00 37.68 7713 OG1 THR B 205 -36.589 -10.057 109.849 1.00 37.50 7714 CG2 THR B 205 -38.771 -10.014 110.661 1.00 37.50 7715 C THR B 205 -38.771 -10.014 110.661 1.00 37.50 7715 C THR B 205 -39.407 -8.141 108.311 1.00 37.50 7716 O THR B 205 -40.579 -8.525 108.135 1.00 38.26 7717 N N GLU B 206 -40.102 -5.900 108.498 1.00 37.10 7718 CB GLU B 206 -40.222 -5.132 109.826 1.00 37.10 7720 CG GLU B 206 -40.222 -5.132 109.826 1.00 37.62 7722 CB GLU B 206 -40.329 -5.306 112.341 1.00 46.39 7722 CB GLU B 206 -40.329 -5.306 112.341 1.00 46.39
7711 CA THR B 205 -37.096 -8.818 107.546 1.00 37.26 7712 CB THR B 205 -37.777 -9.252 109.815 1.00 37.68 7714 CG THR B 205 -36.589 -10.057 109.849 1.00 39.08 7714 CG THR B 205 -36.589 -10.057 109.849 1.00 39.08 7714 CG THR B 205 -36.771 -10.014 10.661 1.00 37.568 7714 CG THR B 205 -38.771 -10.014 10.661 1.00 37.68 7715 C THR B 205 -39.407 -8.141 108.311 1.00 37.68 7716 O THR B 205 -40.579 -8.525 108.135 1.00 38.26 7717 N GLU B 206 -39.102 -6.866 108.477 1.00 37.06 7718 CA GLU B 206 -40.190 -5.900 108.498 1.00 37.10 7719 CB GLU B 206 -40.222 -5.132 109.826 1.00 37.10 7720 CG GLU B 206 -40.662 -5.969 111.015 1.00 41.16 7721 CD GLU B 206 -40.329 -5.306 112.341 1.00 46.39
7711 CA THR B 205 -38.255 -9.136 108.367 1.00 37.48 7712 CB THR B 205 -37.77 -9.252 109.815 1.00 37.68 7713 OG1 THR B 205 -36.589 -10.057 109.849 1.00 39.08 7714 CG2 THR B 205 -38.771 -10.014 110.661 1.00 37.50 7715 C THR B 205 -39.407 -8.141 108.311 1.00 37.50 7716 O THR B 205 -40.579 -8.525 108.135 1.00 38.26 7717 N N GLU B 206 -39.102 -6.866 108.477 1.00 37.06 7718 CA GLU B 206 -40.190 -5.900 108.498 1.00 37.10 7719 CB GLU B 206 -40.222 -5.132 109.826 1.00 37.62 7720 CG GLU B 206 -40.662 -5.969 111.015 1.00 41.16 7721 CD GLU B 206 -40.329 -5.306 112.341 1.00 46.39 7722 OR1 GLU B 206 -40.202 -4.586 112.887 1.00 47.55
7712 CB THR B 205 -37.777 -9.252 109.815 1.00 37.68 7713 OG1 THR B 205 -36.589 -10.057 109.849 1.00 39.08 7714 CG2 THR B 205 -36.589 -10.057 109.849 1.00 39.08 7714 CG2 THR B 205 -38.771 -10.014 110.661 1.00 37.56 7715 C THR B 205 -40.579 -8.525 108.135 1.00 37.68 7716 N GLU B 206 -39.102 -6.866 108.477 1.00 37.06 7718 CA GLU B 206 -40.190 -5.900 108.498 1.00 37.10 7719 CB GLU B 206 -40.190 -5.900 108.498 1.00 37.10 7719 CB GLU B 206 -40.622 -5.132 109.826 1.00 37.06 7720 CG GLU B 206 -40.622 -5.969 111.015 1.00 41.16 7721 CD GLU B 206 -40.622 -5.536 112.341 1.00 46.39 7722 OR1 GLU B 206 -41.202 -4.586 112.887 1.00 47.55
7713 OG1 THR B 205
7714 CG2 THR B 205 -38.771 -10.014 110.661 1.00 37.50 7115 C THR B 205 -39.407 -8.141 108.311 1.00 37.68 7116 O THR B 205 -40.579 -8.525 108.135 1.00 38.26 7117 N GLU B 206 -40.579 -8.525 108.135 1.00 38.26 7118 CA GLU B 206 -40.190 -5.900 108.498 1.00 37.10 7120 CG GLU B 206 -40.222 -5.132 109.826 1.00 37.62 7120 CG GLU B 206 -40.626 -5.959 111.015 1.00 41.65 7122 CD GLU B 206 -40.329 -5.306 112.341 1.00 46.39 7122 0D1 GLU B 206 -40.329 -5.306 112.341 1.00 46.39
7715 C THR B 205 -39.407 -8.141 108.311 1.00 37.68 7717 N GLU B 206 -39.102 -6.866 108.477 1.00 37.06 7718 CA GLU B 206 -40.190 -5.900 108.498 1.00 37.10 7719 CB GLU B 206 -40.190 -5.900 108.498 1.00 37.10 7720 CG GLU B 206 -40.222 -5.132 109.826 1.00 37.02 7721 CD GLU B 206 -40.662 -5.969 111.015 1.00 41.16 7721 CD GLU B 206 -40.329 -5.306 112.341 1.00 46.39 7722 OB1 GLU B 206 -41.202 -4.586 112.887 1.00 47.55
7716 O THE B 205 -40.579 -8.525 108.135 1.00 38.26 7717 N GUU B 206 -39.102 -6.866 108.477 1.00 37.06 7718 CA GLU B 206 -40.190 -5.900 108.498 1.00 37.10 7719 CB GLU B 206 -40.222 -5.132 109.826 1.00 37.62 7720 CG GLU B 206 -40.662 -5.969 111.015 1.00 41.16 7722 CB GLU B 206 -40.329 -5.306 112.341 1.00 46.39 7722 CB GLU B 206 -41.202 -4.586 112.887 1.00 47.55
7718 CA GLU B 206 -39.102 -6.866 108.477 1.00 37.06 7718 CA GLU B 206 -40.190 -5.900 108.498 1.00 37.02 7720 CG GLU B 206 -40.622 -5.192 109.826 1.00 37.62 7721 CD GLU B 206 -40.662 -5.969 111.015 1.00 41.16 7721 CD GLU B 206 -40.329 -5.306 112.341 1.00 46.39 7722 OB1 GLU B 206 -41.202 -4.586 112.887 1.00 47.55
7718 CA GLU B 206 -40.190 -5.900 108.498 1.00 37.10 719 CB GLU B 206 -40.222 -5.132 109.826 1.00 37.62 7720 CG GLU B 206 -40.662 -5.969 111.015 1.00 41.16 7721 CD GLU B 206 -40.329 -5.306 112.341 1.00 46.39 7722 OR1 GLU B 206 -41.202 -4.586 112.887 1.00 47.55
7719 CB GLU B 206 -40.222 -5.132 109.826 1.00 37.62 7720 CG GLU B 206 -40.662 -5.969 111.015 1.00 41.16 7721 CD GLU B 206 -40.329 -5.306 112.341 1.00 46.39 7722 0E1 GLU B 206 -41.202 -4.586 112.887 1.00 47.55
7720 CG GLU B 206 -40.662 -5.969 111.015 1.00 41.16 7721 CD GLU B 206 -40.329 -5.306 112.341 1.00 46.39 7722 OE1 GLU B 206 -41.202 -4.586 112.887 1.00 47.55
7721 CD GLU B 206 -40.329 -5.306 112.341 1.00 46.39 7722 OE1 GLU B 206 -41.202 -4.586 112.887 1.00 47.55
7722 OE1 GLU B 206 -41.202 -4.586 112.887 1.00 47.55
7700 000 000 0 000 000 00 100 E E00 110 000 1 00 10 00
7723 OE2 GLU B 206 -39.190 -5.502 112.838 1.00 48.96
7724 C GLU B 206 -40.143 -4.930 107.339 1.00 35.80
7725 O GLU B 206 -40.781 -3.870 107.398 1.00 35.31
7726 N VAL B 207 -39.372 -5.244 106.295 1.00 34.51
7727 CA VAL B 207 -39.441 -4.350 105.150 1.00 33.14
7728 CB VAL B 207 -38.121 -4.217 104.303 1.00 33.75
7729 CG1 VAL B 207 -38.263 -4.763 102.906 1.00 31.71
7730 CG2 VAL B 207 -36.879 -4.758 105.070 1.00 32.67
7731 C VAL B 207 -40.709 -4.733 104.390 1.00 32.32
7732 O VAL B 207 -41.032 -5.918 104.242 1.00 31.19
7733 N PRO B 208 -41.486 -3.726 104.025 1.00 31.87
7734 CA PRO B 208 -42.766 -3.964 103.348 1.00 31.42
7735 CB PRO B 208 -43.375 -2.560 103.229 1.00 31.29
7736 CG PRO B 208 -42.630 -1.733 104.287 1.00 31.48
7737 CD PRO B 208 -41.219 -2.291 104.239 1.00 31.46
7738 C PRO B 208 -42.511 -4.546 101.979 1.00 30.79
7739 O PRO B 208 -41.451 -4.334 101.378 1.00 29.86
7740 N LEU B 209 -43.481 -5.301 101.499 1.00 30.64
7741 CA LEU B 209 -43.352 -5.921 100.189 1.00 30.83
7742 CB LEU B 209 -43.779 -7.388 100.262 1.00 31.12

FIGURE 3 EV

A	В	С	D	Е	F	G	H	I	J
7743	CG	LEU	В	209	-42.801	-8.162	101.171	1.00	33.07
7744	CD1	LEU	В	209	-42.617	-9.617	100.757	1.00	33.85
7745	CD2	LEU		209	-43.238	-8.066	102.620	1.00	34.18
7746	C	LEU	В	209	-44.139	-5.177	99.130	1.00	29.88
7747	0	LEU		209	-45.274	-4.782	99.353	1.00	30.00
7748	N	ILE		210	-43.510	-4.948	97.986	1.00	
7749	CA	ILE	В	210	-44.221	-4.408	96.863	1.00	
7750	CB	ILE		210	-43.271	-3.741	95.860		27.81
7751	CG1	ILE	В	210	-44.040	-3.293	94.610	1.00	26.93
7752	CD1	ILE	В	210	-45.109	-2.253	94.857	1.00	
7753	CG2	ILE	В	210	-42.135	-4.690	95.440	1.00	
7754	C	ILE	В	210	-44.911	-5.632	96.263	1.00	
7755	0	ILE		210	-44.317	-6.713	96.207		27.42
7756	N	GLU	В	211	-46.163	-5.467	95.851	1.00	
7757	CA	GLU		211	-46.941	-6.555	95.265	1.00	
7758	CB	GLU	В	211	-48.157	-6.895	96.134	1.00	25.38
7759	CG	GLU		211	-47.839	-7.241	97.577	1.00	
7760	CD	GLU	В	211	-49.085	-7.608	98.369	1.00	30.61
7761	OE1	GLU	В	211	-49.242	-8.789	98.686	1.00	30.31
7762	OE2	GLU	В	211	-49.927	-6.717	98.673	1.00	34.16
7763	С	GLU	В	211	-47.417	-6.121	93.888	1.00	24.64
7764	0	GLU	В	211	-47.874	-4.997	93.713	1.00	23.65
7765	N	TYR	В	212	-47.280	-7.005	92.907	1.00	24.26
7766	CA	TYR	В	212	-47.770	-6.714	91.564	1.00	24.09
7767	CB	TYR	В	212	-46.768	-5.908	90.756	1.00	23.87
7768	CG	TYR	В	212	-45.395	-6.515	90.620	1.00	24.60
7769	CD1	TYR	В	212	-45.118	-7.426	89.624	1.00	22.59
7770	CE1	TYR	В	212	-43.872	-7.957	89.480	1.00	24.30
7771	CZ	TYR	В	212	-42.857	-7.574	90.333	1.00	25.32
7772	OH	TYR	В	212	-41.608	-8.119	90.198	1.00	23.27
7773	CE2	TYR	В	212	-43.094	-6.658	91.332	1.00	26.02
7774	CD2	TYR	В	212	-44.362	-6.135	91.471	1.00	25.60
7775	C	TYR		212	-48.177	-7.976	90.833		23.68
7776	0	TYR		212	-47.716	-9.062	91.158	1.00	
7777	N	SER		213	-49.080	-7.833	89.879		23.67
7778	CA	SER		213	-49.553	-8.972	89.112		23.81
7779	CB	SER		213	-50.856	-8.639	88.400	1.00	
7780	OG	SER		213	-51.949	-8.658	89.291		22.25
7781	C	SER		213	-48.524	-9.434	88.087	1.00	
7782	0	SER		213	-47.827	-8.615	87.455		23.38
7783	N	PHE	В	214	-48.395	-10.755	87.980	1.00	24.01
7784	CA	PHE	В	214	-47.565	-11.359	86.938	1.00	
7785	CB	PHE	В	214	-46.350	-12.083	87.486		23.47
7786	CG	PHE	В	214	-45.334	-12.351	86.441		22.91
7787	CD1	PHE	В	214	-45.334	-13.555	85.750		21.91
7788	CE1	PHE	В	214	-44.426	-13.780	84.733		22.86
7789	CZ	PHE		214	-43.508	-12.805	84.398		21.44
7790	CE2	PHE	В	214	-43.514	-11.604	85.080		23.24
7791	CD2	PHE		214	-44.432	-11.371	86.081	1.00	19.59
7792	C	PHE		214	-48.471	-12.308	86.185		24.16
7793	0	PHE	В	214	-49.007	-13.278	86.767	1.00	24.65

FIGURE 3 EW

	A	В	С	D	Е	F	G	H	I	J
	94	N	TYR	В	215	-48.677	-12.011	84.907	1.00	24.05
	95	CA	TYR	В			-12.722	84.123	1.00	23.44
	196	CB	TYR	В	215		-11.798	83.062	1.00	22.72
	197	CG	TYR			-50.831	-10.575	83.708	1.00	20.73
	198	CD1	TYR			-50.069	-9.414	83.794	1.00	19.55
	199	CE1	TYR			-50.557	-8.289	84.444	1.00	16.87
	300	CZ	TYR		215	-51.825	-8.330	85.006	1.00	17.23
	301	OH	TYR		215	-52.336	-7.212	85.644	1.00	17.71
	302	CE2	TYR			-52.590	-9.457	84.924	1.00	15.78
	303	CD2	TYR		215		-10.578	84.285	1.00	19.58
	304	C	TYR		215	-49.171	-14.010	83.525	1.00	23.64
	305	0	TYR		215	-49.915	-14.987	83.417	1.00	23.38
	306	N	SER		216	-47.904	-13.998	83.131	1.00	23.88
	307 308	CA CB	SER SER		216 216	-47.240	-15.197 -16.327	82.638 83.648	1.00	24.66
	309	OG	SER		216		-17.388	83.310	1.00	24.13
	310	C	SER		216	-40.348	-17.388	81.308	1.00	25.46
	311	0	SER		216	-48.546	-15.001	80.639	1.00	25.75
	312	N	ASP		217		-16.903	80.936	1.00	25.82
	313	CA	ASP		217	-47.908	-17.500	79.722	1.00	27.15
	314	CB	ASP		217		-18.956	79.581	1.00	28.06
	315	CG	ASP		217	-47.928		78.282	1.00	31.35
	316	OD1	ASP		217		-19.269	77.274	1.00	37.45
	317	OD2	ASP		217	-48.963	-20.255	78.141	1.00	34.61
	318	C	ASP	В	217	-49.427	-17.452	79.757	1.00	26.37
78	319	0	ASP		217	-50.027		80.827	1.00	26.98
78	320	N	GLU	В	218	-50.055	-17.480	78.595	1.00	26.26
78	321	CA	GLU	В	218	-51.499	-17.396	78.528	1.00	25.79
78	322	CB	GLU	В	218	-51.982	-17.109	77.093	1.00	26.24
78	323	CG	GLU	В	218	-52.256	-18.313	76.218	1.00	27.13
	324	CD	GLU		218		-17.960	74.947	1.00	28.56
	325	OE1	GLU		218	-54.252	-18.243	74.880	1.00	27.55
	326	OE2	GLU		218	-52.403	-17.432	74.001	1.00	27.21
	327	C	GLU		218		-18.614	79.157	1.00	25.85
	328	0	GLU		218		-18.577	79.480	1.00	25.38
	329	N	SER		219		-19.677	79.345	1.00	26.17
	330 331	CA	SER		219 219	-51.771 -50.551	-20.896	80.078 80.157	1.00	25.81
	332	CB OG	SER		219	-50.585	-21.825 -22.694	79.064	1.00	29.48
	333	C	SER		219	-52.174	-22.694	81.531	1.00	24.81
	334	0	SER		219	-53.011	-21.363	82.081	1.00	24.67
	335	N	LEU		220	-51.501	-19.724	82.188	1.00	23.40
	336	CA	LEU		220	-51.823	-19.460	83.584	1.00	22.91
	337	CB	LEU		220		-18.421	84.132	1.00	21.98
	338	CG	LEU		220	-50.721	-18.394	85.640		23.38
	339	CD1	LEU				-17.196	86.064		22.99
	340	CD2		В	220		-19.713	86.163	1.00	21.57
78	341	С	LEU	В	220	-53.263	-18.942	83.686	1.00	22.46
78	342	0	LEU	В	220	-53.576	-17.906	83.139	1.00	22.55
	343	N	GLN				-19.674	84.370		21.97
78	344	CA	GLN	В	221	-55.515	-19.276	84.522	1.00	21.93

FIGURE 3 EX

A	В	С	D	E	F	G	H	I	J
7845	CB	GLì	ΙB	221	-56.357	-20.463	85.014	1.00	21.65
7846	CG	GLì	ΙB	221	-57.856	-20.174	85.026	1.00	21.33
7847	CD	GLì	ΙB	221	-58.676	-21.412	85.310	1.00	21.73
7848	OE1	GLì	ΙB	221	-58.259	-22.270	86.111	1.00	25.67
7849	NE2	GLi	ΙB	221	-59.807	-21.545	84.631	1.00	17.84
7850	C	GLi	IΒ	221	-55.714	-18.070	85.454	1.00	22.01
7851	0	GLi	IΒ	221	-56.508	-17.186	85.164	1.00	21.81
7852	N	TYE	₹В	222	-54.978	-18.055	86.565	1.00	21.99
7853	CA	TYE	₹В	222	-55.059	-16.993	87.563	1.00	21.65
7854	CB	TYE	₹В	222	-55.367	-17.582	88.938	1.00	21.50
7855	CG	TYE	R B	222	-56.785	-18.003	89.152	1.00	20.25
7856	CD1	TYE	R B	222	-57.710	-17.138	89.750	1.00	19.35
7857	CE1	TYE	R B	222	-59.009	-17.526	89.972	1.00	16.76
7858	CZ	TYE	R B	222	-59.399	-18.801	89.597	1.00	20.61
7859	OH	TYI	κв	222	-60.700	-19.224	89.798	1.00	20.99
7860	CE2	TYE	₹В	222	-58.504	-19.667	89.004	1.00	20.11
7861	CD2			222	-57.201	-19.269	88.800	1.00	
7862	C	TY		222	-53.702	-16.343	87.673		21.62
7863	ō	TY		222	-52.711	-17.013	87.929	1.00	
7864	N	PRO		223	-53.654	-15.037	87.512		22.12
7865	CA	PRO		223	-52.388	-14.320	87.587		22.77
7866	CB			223		-12.855	87.468		22.52
7867	CG			223	-54.135	-12.919	86.728		23.29
7868	CD		ЭВ			-14.151	87.238		21.98
7869	C	PRO		223	-51.684	-14.572	88.914		23.77
7870	ō	PRO				-14.940	89.935		23.36
7871	N	LYS		224		-14.380	88.887	1.00	
7872	CA			224	-49.558	-14.565	90.075		25.75
7873	CB			224			89.674		25.86
7874	CG			224	-47.213	-15.395	90.824		29.92
7875	CD	LYS				-16.022	90.293	1.00	35.92
7876	CE			224	-44.974	-16.533	91.400	1.00	
7877	NZ			224	-44.164	-17.744	90.943		42.83
7878	C			224	-49.365	-13.201	90.702		25.10
7879	ō			224	-49.345	-12.184	90.006		25.60
7880	N			225	-49.256	-13.162	92.017	1.00	
7881	CA	THE		225		-11.923	92.657	1.00	
7882	CB	THE		225		-11.694	93.905		24.99
7883	OG1	THE		225	-51.081	-11.616	93.574		22.31
7884	CG2	THE		225	-49.345	-10.303	94.475		23.65
7885	C	THE		225	-47.456	-12.046	93.069	1.00	
7886	Ö	THE		225	-47.127	-12.865	93.904	1.00	
7887	N	VAI		226	-46.589	-11.239	92.487		25.52
7888	CA			226	-45.208	-11.289	92.889		25.68
7889	CB			226	-44.273	-10.831	91.730		26.20
7890	CG1	VAI			-44.273	-10.607	92.220		24.52
7891	CG2	VAI			-44.317	-11.863	90.607	1.00	
7892	C	VAI			-45.075	-10.421	94.150		26.34
7893	0	VAI			-45.729	-9.390	94.130	1.00	
7894	N			227	-43.729		95.111		26.87
7895	CA			227		-10.868	96.335		28.00
1093	UM.	MK	ı D	221	-44.108	-10.00/	20.333	1.00	20.00

FIGURE 3 EY

T896 CB	A	В	С	D	E		F		G	Н		I	J
7887 CG ABG B 227 -46.428 - 10.718 97.266 1.00 29.92 7888 CD ARG B 227 -48.636 - 11.569 98.260 1.00 37.78 7890 NE ARG B 227 -48.636 - 11.569 98.062 1.00 37.78 7901 NHI ARG B 227 -48.636 - 11.569 97.553 1.00 41.04 7903 C ARG B 227 -50.687 - 12.397 97.457 1.00 41.02 7903 C ARG B 227 -42.637 - 10.001 96.648 1.00 27.69 7904 O ARG B 227 -42.637 - 10.001 96.648 1.00 27.69 7905 N VAL B 228 -42.109 - 8.790 96.738 1.00 27.26 7906 C VAL B 228 -40.707 - 8.634 97.055 1.00 26.68 7907 CB VAL B 228 -38.526 - 7.788 96.074 1.00 25.99 7990 CG2 VAL B 228 -39.645 - 7.937	7896	CB	ARG	В	227	_	44.89	4	-10.714	97.4	90	1.00	28.35
7889 CD ABG B 227 -47.187 - 11.624 98.240 1.00 33.73 7899 NE ABG B 227 -48.636 - 11.569 98.062 1.00 37.78 7900 NEZ ABG B 227 -48.828 - 13.696 97.132 1.00 39.98 7901 NH1 ARG B 227 -50.687 - 12.397 97.553 1.00 41.04 7903 C ARG B 227 -50.687 - 12.397 97.557 1.00 41.02 7904 O ARG B 227 -41.974 - 11.022 96.801 1.00 27.69 7905 C VAL B 228 -42.109 -8.790 96.073 1.00 26.718 7907 CB VAL B 228 -39.812 -8.503 97.78 1.00 27.22 7908 CG1 VAL B 228 -38.526 -7.778 96.074 1.00 25.97 7910 C VAL B 228 -40.941													
7899 NE ABG B 227 -48.636 -11.569 98.062 1.00 37.78 7900 CZ ARG B 227 -48.882 -13.696 97.532 1.00 41.04 7901 NRI ARG B 227 -48.828 -13.696 97.132 1.00 41.04 7903 C ARG B 227 -42.637 -10.001 96.664 1.00 27.69 7905 N VAL B 228 -42.109 -8.790 96.311 1.00 28.57 7907 CB VAL B 228 -40.707 -8.634 97.055 1.00 26.68 7907 CB VAL B 228 -40.707 -8.634 97.055 1.00 26.68 7908 CG1 VAL B 228 -40.660 -7.873 96.074 1.00 25.99 7910 C VAL B 228 -40.971 -5.603 98.101 1.00 26.69 7910													
Topin													
Total Name Arg B 227 -48.828 -13.696 97.132 1.00 41.04 7902 Name Arg B 227 -42.637 -10.001 96.664 1.00 27.69 79.457 79.45													
7902 NHZ ABG B 227 -50.687 -12.397 97.457 1.00 21.02 7903 C ABG B 227 -42.637 -10.00 96.664 1.00 27.69 7904 O ABG B 227 -41.974 -11.022 96.801 1.00 22.857 7906 CA VAL B 228 -40.707 -8.634 97.055 1.00 27.18 7907 CB VAL B 228 -39.812 -8.503 95.778 1.00 27.22 7908 CG1 VAL B 228 -40.560 -7.878 96.074 1.00 25.97 7910 C VAL B 228 -40.560 -7.873 96.618 1.00 27.19 7911 O VAL B 229 -40.541 -7.560 98.110 1.00 26.27 7911 O VAL B 229 -39.241 -6.997 10													
7903 C ARG B 227 -42.637 -10.001 96.664 1.00 27.69 7904 O ARG B 227 -41.974 -11.022 96.801 1.00 28.77 7905 N VAL B 228 -42.109 -8.790 96.738 1.00 27.18 7907 C VAL B 228 -99.812 -8.503 95.778 1.00 27.26 7909 CC VAL B 228 -40.606 -7.873 94.618 1.00 27.99 7911 C VAL B 228 -40.431 -7.560 98.110 1.00 26.47 7911 O VAL B 228 -40.971 -6.48 98.054 1.00 26.26 7912 N PRO B 229 -39.645 -7.937 99.18 1.00 25.68 7913 C PRO B 229 -39.241<													
7904 O ARG B 227 -41.974 -11.022 96.801 1.00 28.57 7905 N VAL B 228 -42.109 -8.790 96.738 1.00 27.18 7906 CA VAL B 228 -40.707 -8.634 97.055 1.00 27.12 7907 CB VAL B 228 -38.12 -7.778 96.074 1.00 27.22 7908 CG1 VAL B 228 -38.526 -7.778 96.074 1.00 25.99 7910 C VAL B 228 -40.560 -7.873 96.074 1.00 25.99 7911 C VAL B 228 -40.431 -7.560 98.110 1.00 26.20 7911 O VAL B 228 -40.971 -6.448 98.054 1.00 26.20 7912 N PRO B 229 -39.645 -7.937 99.118 1.00 25.93 7913 C PRO B 229 -39.241 -6.997 100.165 1.00 25.11 7914 C B PRO B 229 -38.704 -9.213 100.850 1.00 25.27 7915 C PRO B 229 -38.617 -5.823 99.474 1.00 25.27 7918 N TYR B 230 -39.200 -4.656 99.673 1.00 25.93 7921 C B TYR B 230 -39.200 -4.656 99.673 1.00 25.45 7922 C C TYR B 230													
7905 N VAL B 228 -42.109 -8.790 96.738 1.00 27.18 7906 CA VAL B 228 -40.707 -8.634 97.055 1.00 26.68 7907 CB VAL B 228 -40.707 -8.634 97.055 1.00 27.22 7909 CC VAL B 228 -38.526 -7.778 96.074 1.00 25.99 7911 C VAL B 228 -40.631 -7.560 98.110 1.00 26.47 7911 O VAL B 228 -40.971 -6.48 98.054 1.00 26.29 7912 N PRO B 229 -39.645 -7.937 99.118 1.00 25.68 7913 C PRO B 229 -38.29 -7.803 100.955 1.00 25.52 7915 C PRO B 229 -39.129													
7906 CA VAL B 228 -40.707 -8.634 97.055 1.00 26.68 7907 CB VAL B 228 -39.812 -8.503 95.778 1.00 27.22 7908 CGI VAL B 228 -38.526 -7.789 94.618 1.00 27.29 7910 C VAL B 228 -40.560 -7.873 94.618 1.00 27.97 7911 N PRO B 229 -39.645 -7.937 99.118 1.00 26.20 7913 CA PRO B 229 -39.645 -7.937 99.118 1.00 25.62 7913 CA PRO B 229 -39.241 -6.997 100.165 1.00 25.51 7914 CB PRO B 229 -38.704 -9.213 100.850 1.00 25.51 7916 CD PRO B 229 -38.704 -9.213 100.850 1.00 25.27 7918													
7907 CB VAL B 228 -39.812 -8.503 95.778 1.00 27.22 7908 CGI VAL B 228 -38.526 -7.778 96.074 1.00 27.22 7909 CG2 VAL B 228 -40.560 -7.873 94.618 1.00 27.19 7911 O VAL B 228 -40.971 -6.648 98.054 1.00 26.27 7912 N PRO B 229 -39.645 -7.937 99.118 1.00 25.68 7913 CA PRO B 229 -39.241 -6.997 100.165 1.00 25.56 7914 CB PRO B 229 -38.229 -7.803 100.955 1.00 25.57 7915 CG PRO B 229 -38.617 -9.213 109.956 1.00 25.53 7916 CD PRO B 229 -37.656 -5.953 98.701 1.00 25.53 7918													
7908 CG1 VAL B 228 -38.526 -7.778 96.074 1.00 25.99 7909 CG2 VAL B 228 -40.660 -7.873 94.618 1.00 27.19 7910 C VAL B 228 -40.431 -7.560 98.110 1.00 26.47 7911 N PRO B 229 -39.645 -7.937 99.118 1.00 25.62 7913 CA PRO B 229 -39.241 -6.997 100.655 1.00 25.51 7914 CB PRO B 229 -38.229 -7.803 100.055 1.00 25.51 7915 CG PRO B 229 -38.704 -9.213 100.850 1.00 25.51 7916 CD PRO B 229 -38.617 -5.823 99.474 1.00 25.27 7917 C PRO B 229 -37.656 -5.953 98.720 1.00 25.43 7921													
7990 CC2 VAL B 228 -40.560 -7.873 94.618 1.00 27.19 7910 C VAL B 228 -40.431 -7.560 98.110 1.00 26.47 7911 O VAL B 228 -40.971 -6.448 98.054 1.00 26.47 7912 N PRO B 229 -39.645 -7.937 99.118 1.00 25.68 7914 CB PRO B 229 -38.229 -7.803 100.955 1.00 25.52 7915 CG PRO B 229 -38.229 -7.803 100.955 1.00 25.52 7916 CD PRO B 229 -38.129 -9.300 99.361 1.00 25.57 7917 C PRO B 229 -37.656 -5.953 99.4720 1.00 25.93 7913 N TYR B 230 -39.200 -4.656 95.673 1.00 25.93 7917													
T911													
T911													
7912 N PRO B 229 -39.645 -7.937 99.118 1.00 25.68 7913 CR PRO B 229 -39.241 -6.997 100.165 1.00 25.12 7914 CB PRO B 229 -38.229 -7.803 100.955 1.00 25.52 7915 CG PRO B 229 -39.129 -9.300 99.361 1.00 25.52 7917 C PRO B 229 -37.656 -5.953 98.720 1.00 25.27 7919 N TYR B 230 -39.200 -4.656 99.673 1.00 25.44 7920 CA TYR B 230 -39.409 -3.470 97.584 1.00 25.52 7921 CB TYR B 230 -39.409 -3.470 97.584 1.00 25.52 7922 CG TYR B 230 -38.158 -4.94 94.557 1.00 23.04 7922													
7913 CA PROB B 229 -39.241 -6.997 100.165 1.00 25.51 7914 CB PROB B 229 -38.704 -9.213 100.850 1.00 25.52 7915 CG PROB B 229 -38.704 -9.213 100.850 1.00 25.37 7917 C PROB B 229 -38.617 -5.823 99.474 1.00 25.27 7918 O PROB B 229 -38.617 -5.953 98.720 1.00 25.93 7919 N TYR B 230 -39.00 -4.656 99.673 1.00 25.45 7921 CB TYR B 230 -39.00 -3.508 98.54 1.00 25.27 7921 CB TYR B 230 -39.002 -3.508 98.54 1.00 25.45 7922 CG TYR B 230 -39.032 -2.314 96.666 1.00 25.54 7923 CD1 TYR B 230 -38.138 -2.546 95.421 1.00 22.36 7925 CZ TYR B 230 -38.131 -0.211 94.99													
7914 CB PROB B 229 -38.229 -7.803 100.985 1.00 25.52 7915 CC PRO B 229 -38.704 -9.213 100.895 1.00 25.52 7916 CD PRO B 229 -39.129 -9.300 99.361 1.00 25.37 7917 C PRO B 229 -37.656 -5.953 98.720 1.00 25.27 7919 N TYR B 230 -39.200 -4.656 99.673 1.00 25.44 7921 CB TYR B 230 -39.409 -3.470 97.584 1.00 25.29 7922 CG TYR B 230 -39.409 -3.470 97.584 1.00 25.29 7921 CB TYR B 230 -38.138 -1.498 94.557 1.00 22.82 7924 CEI TYR B 230 -38.138 -1.498 94.557 1.00 22.11 7926 CZ TYR B 230 -38.103 0.850 94.111 1.00													
7915 CG PROB 229 -38.704 -9.213 100.850 1.00 24.51 7916 CD PROB B 229 -38.704 -9.213 100.850 1.00 24.51 7917 C PROB B 229 -38.617 -5.823 99.474 1.00 25.27 7918 O PROB B 229 -37.656 -5.953 98.720 1.00 25.93 7921 CB TYR B 230 -39.200 -4.656 99.673 1.00 25.93 7921 CB TYR B 230 -39.009 -3.470 97.584 1.00 25.93 7922 CG TYR B 230 -39.032 -2.314 96.666 1.00 22.36 7923 CDI TYR B 230 -38.158 -1.498 94.557 1.00 22.11 7925 CZ TYR B 230 -38.134 -0.211 94.939 1.00 20.01 7927													
7916 CD PROB B 229 -39.129 -9,300 99.361 1.00 25.37 7917 C PROB B 229 -38.617 -5.823 99.474 1.00 25.27 7918 O PROB B 229 -37.656 -5.953 98.702 1.00 25.27 7910 O TYR B 230 -39.200 -4.656 99.673 1.00 25.44 7921 CB TYR B 230 -39.409 -3.470 97.564 1.00 25.29 7922 CG TYR B 230 -39.409 -3.470 97.564 1.00 25.29 7923 CD1 TYR B 230 -38.480 -2.546 95.421 1.00 22.82 7924 CE1 TYR B 230 -38.103 0.850 94.111 1.00 22.06 7926 CE2 TYR B 230 -38.103 0.850 94.111 1.00 20.01 7927													
7917 C C PROB B 229 -38.617 -5.823 99.474 1.00 25.27 7918 O PRO B 229 -37.656 -5.953 98.720 1.00 25.27 7919 N TYR B 230 -39.200 -4.656 99.673 1.00 25.42 7921 CB TYR B 230 -39.409 -3.470 97.584 1.00 25.27 7922 CG TYR B 230 -39.032 -2.314 96.666 1.00 23.61 7923 CDI TYR B 230 -38.480 -2.546 95.421 1.00 22.82 7924 CEI TYR B 230 -38.158 -1.498 94.557 1.00 22.11 7925 CZ TYR B 230 -38.158 -1.498 94.557 1.00 22.11 7926 CZ TYR B 230 -38.113 -0.219 94.939 1.00 22.01 7927 CEZ TYR B 230 -38.103 0.850 94.111 1.00 20.01 7928 CZ TYR B 230 -39.283 -1.009 97.026 1.00 24.43 7931 N PRO B 231 -38.079 -2.303 9.9761													
7918 O PRO B 229 -37.656 -5.953 98.720 1.00 25.93 7919 N TYR B 230 -39.200 -4.656 99.673 1.00 25.45 7920 CA TYR B 230 -38.730 -3.508 98.954 1.00 25.45 7921 CB TYR B 230 -39.409 -3.470 97.584 1.00 25.25 7922 CG TYR B 230 -39.032 -2.314 96.666 1.00 23.61 7924 CE1 TYR B 230 -38.480 -2.546 94.557 1.00 21.11 7926 CZ TYR B 230 -38.413 -0.211 94.939 1.00 22.06 7927 CE2 TYR B 230 -38.413 -0.211 94.939 1.00 22.06 7929 C TYR B 230 -39.91													
Type													
7920 CA TYR B 230 -38.730 -3.508 98.954 1.00 25.45 7921 CB TYR B 230 -39.409 -3.470 97.584 1.00 25.29 7922 CG TYR B 230 -39.032 -2.314 96.666 1.00 25.29 7924 CB1 TYR B 230 -38.480 -2.546 95.421 1.00 22.62 7925 CZ TYR B 230 -38.158 -1.498 94.557 1.00 21.61 7926 OR TYR B 230 -38.413 -0.211 94.939 1.00 22.06 7927 CB2 TYR B 230 -38.974 0.044 96.172 1.00 23.04 7928 CD TYR B 230 -39.283 -10.09 97.026 1.00 23.04 7928 CD TYR B 230 -39.283 -10.09 97.026 1.00 23.04 7932 C TYR B 230 -39.283 -10.09 97.026 1.00 26.35 7931 N PRO B 231 -38.979 -1.565 10.0197													
7921 CB TYR B 230 -39.409 -3.470 97.584 1.00 25.25 7922 CB TYR B 230 -39.302 -2.314 96.666 1.00 23.61 7923 CDI TYR B 230 -38.480 -2.546 95.421 1.00 22.82 7925 CZ TYR B 230 -38.431 -0.211 94.939 1.00 22.06 7926 CE TYR B 230 -38.103 0.850 94.111 1.00 20.01 7927 CEZ TYR B 230 -38.103 0.850 94.111 1.00 20.01 7928 CDZ TYR B 230 -39.283 -1.009 97.026 1.00 24.33 7930 C TYR B 230 -39.979 -2.016 99.975 1.00 26.45 7931 N PRO B 231 -													
7922 CG TYR B 230 -39.032 -2.314 96.666 1.00 23.61 7923 CDI TYR B 230 -38.480 -2.546 95.421 1.00 22.82 7924 CEI TYR B 230 -38.158 -1.498 94.557 1.00 22.06 7926 CZ TYR B 230 -38.413 -0.211 94.939 1.00 22.06 7927 CE2 TYR B 230 -38.974 -0.044 96.172 1.00 23.04 7928 CD2 TYR B 230 -39.983 -1.009 97.026 1.00 23.04 7928 CD2 TYR B 230 -39.991 -2.303 99.764 1.00 26.35 7930 O TYR B 230 -39.091 -2.303 99.755 1.00 26.45 7931 N PRO B 231 -38.379 -1.555 10.197 1.00 26.63 7933 CB PRO B 231 -38.331 -0.411 10.1041 1.00 26.63 7934 CG PRO B 231 -37.555 -0.307 10.80													
7923 CDI TYR B 230 -38.480 -2.546 95.421 1.00 22.82 7924 CEI TYR B 230 -38.158 -1.498 94.557 1.00 21.11 7925 CZ TYR B 230 -38.413 -0.211 94.939 1.00 22.06 7927 CEZ TYR B 230 -38.974 0.044 96.172 1.00 23.01 7928 CD TYR B 230 -39.283 -1.009 97.026 1.00 24.33 7930 O TYR B 230 -39.283 -1.009 97.026 1.00 24.33 7930 O TYR B 230 -39.283 -1.009 97.026 1.00 24.33 7931 N PRO B 231 -38.797 -1.565 100.197 1.00 26.45 7933 CB PRO B 231 -37.055 -0.307 10.1880 1.00 26.63 7934													
7924 CEI TYR B 230 -38.158 -1.498 94.557 1.00 22.11 7925 CZ TYR B 230 -38.138 -1.498 94.557 1.00 22.01 7926 OH TYR B 230 -38.103 0.850 94.111 1.00 20.01 7927 CEZ TYR B 230 -38.974 0.044 96.172 1.00 23.04 7928 CDZ TYR B 230 -39.991 -2.030 99.975 1.00 24.33 7930 O TYR B 230 -39.991 -2.016 99.975 1.00 26.35 7931 N PRO B 231 -38.079 -1.565 100.197 1.00 26.65 7932 CA PRO B 231 -38.079 -1.565 100.197 1.00 26.65 7934 CG PRO B 231 <th< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></th<>													
7925 CZ TYR B 230 -38.413 -0.211 94.939 1.00 22.06 7926 OH TYR B 230 -38.974 0.044 96.172 1.00 20.01 7927 CE2 TYR B 230 -38.974 0.044 96.172 1.00 23.04 7928 CD TYR B 230 -39.281 -1.009 97.026 1.00 23.04 7930 O TYR B 230 -39.281 -1.009 97.026 1.00 24.33 7931 N PRO B 231 -38.797 -1.565 100.197 1.00 26.45 7933 CB PRO B 231 -38.331 -0.411 10.1041 1.00 26.63 7934 CG PRO B 231 -35.973 -1.138 10.1101 1.00 26.65 7935 CD PRO B 231 -35.973 -1.138 10.1101 1.00 26.56 7936 C PRO B 231 -35.651 -1.697 99.853 1.00 26.53 7937 O PRO B 231 -37.522 1.214 99.502													
7926 OH TYR B 230 -38.103 0.850 94.111 1.00 20.01 7927 CEZ TYR B 230 -38.974 0.044 96.172 1.00 23.04 7928 CD TYR B 230 -39.283 -1.009 97.026 1.00 24.33 7930 O TYR B 230 -39.283 -1.009 99.705 1.00 24.33 7931 O TYR B 230 -39.091 -2.303 99.795 1.00 26.35 7931 O PRO B 231 -38.079 -1.555 100.197 1.00 26.65 7934 CG PRO B 231 -37.055 -0.307 101.880 1.00 26.96 7935 CD PRO B 231 -35.973 -1.138 10.110 1.00 26.96 7934 CG PRO B 231 -3													
7927 CE2 TYR B 230 -38.974 0.044 96.172 1.00 23.04 7928 CD2 TYR B 230 -39.283 -1.009 97.026 1.00 24.33 7929 C TYR B 230 -39.091 -2.303 99.764 1.00 24.33 7931 N PRO B 231 -38.979 -1.565 100.197 1.00 26.35 7932 CA PRO B 231 -38.331 -0.411 101.041 1.00 26.63 7933 CB PRO B 231 -37.555 -0.307 101.880 1.00 26.63 7934 CG PRO B 231 -36.651 -1.697 99.853 1.00 26.53 7935 CD PRO B 231 -36.651 -1.697 99.853 1.00 26.53 7936 C PRO B 231 -36.651 -1.697 99.853 1.00 26.53 7937 O PRO B 231 -37.522 1.214 99.502 1.00 26.53 7938 N LYS B 232 -39.686 2.742 99.502													
7928 CD2 TYR B 230 -39.283 -1.009 97.026 1.00 24.33 7930 C TYR B 230 -39.991 -2.303 99.764 1.00 26.35 7931 N PRO B 231 -38.079 -1.565 100.197 1.00 26.82 7932 CA PRO B 231 -38.331 -0.411 101.041 1.00 26.96 7934 CG PRO B 231 -37.055 -0.307 101.880 1.00 26.96 7935 CD PRO B 231 -36.651 -1.697 99.853 1.00 26.65 7936 C PRO B 231 -37.522 1.214 99.502 1.00 26.53 7938 N LYS B 232 -39.564 1.244 99.502 1.00 26.53 7938 N LYS B 232 -39.768 2.742 99.502 1.00 26.53 7940 CB LYS B 232 -41.282 2.982 99.120 1.00 27.58													
7929 C TYR B 230 -39.091 -2.303 99.764 1.00 26.35 7931 N PRO B 231 -38.307 -1.565 100.197 1.00 26.45 7932 CA PRO B 231 -37.555 -0.307 10.180 1.00 26.63 7933 CB PRO B 231 -37.555 -0.307 101.880 1.00 26.63 7935 CG PRO B 231 -35.973 -1.138 101.101 1.00 26.53 7936 C PRO B 231 -37.522 1.214 99.502 1.00 26.53 7937 O PRO B 231 -37.522 1.214 99.502 1.00 26.53 7938 N LYS B 232 -39.636 1.459 100.198 1.00 26.53 7940 CB LYS B 232 -41.													
7930 O TYR B 230 -40.270 -2.016 99.975 1.00 26.45 7931 N PRO B 231 -38.079 -1.565 100.197 1.00 26.82 7932 CA PRO B 231 -38.331 -0.411 101.041 1.00 26.96 7934 CG PRO B 231 -37.055 -0.307 101.800 1.00 26.96 7935 CD PRO B 231 -36.651 -1.697 99.853 1.00 26.65 7936 C PRO B 231 -37.522 1.214 99.502 1.00 25.81 7938 N LYS B 232 -39.636 1.459 100.195 1.00 26.55 7940 CB LYS B 232 -39.768 2.742 99.550 1.00 27.57 7941 CG LYS B 232 -41.742 1.919 98.113 1.00 27.57 7943 CE LYS B 232 -43.216 2.092 97.06 1.00 27.07 7944 CG LYS B 232 -43.373 1.092 96.706 <t< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></t<>													
7931 N PRO B 231 -38.079 -1.565 100.197 1.00 26.82 7932 CA PRO B 231 -37.055 -0.307 101.880 1.00 26.96 7934 CB PRO B 231 -37.055 -0.307 101.880 1.00 26.96 7935 CD PRO B 231 -35.973 -1.138 101.101 1.00 26.93 7936 C PRO B 231 -36.651 -1.697 99.853 1.00 26.53 7937 O PRO B 231 -37.522 1.214 99.502 1.00 26.53 7938 N LYS B 232 -39.636 1.459 100.198 1.00 26.53 7940 CB LYS B 232 -41.742 2.99.550 1.00 27.57 7941 CG LYS B 232 -41.742 1.919 98.113 1.00 27.32 7942 CD LYS B 232 -43.216 2.099 97.786 1.00 27.61 7943 CE LYS B 232 -43.216 2.099 97.786 1.00 27.62													
7932 CA PRO B 231 -38.331 -0.411 101.041 1.00 26.63 7933 CB PRO B 231 -37.055 -0.307 10.188 1.00 26.63 7934 CG PRO B 231 -35.973 -1.138 101.101 1.00 27.14 7935 C PRO B 231 -36.651 -1.697 99.853 1.00 26.65 7937 O PRO B 231 -38.467 0.834 100.175 1.00 26.53 7938 N LYS B 232 -39.768 2.124 99.502 1.00 25.81 7940 CB LYS B 232 -41.722 2.992 99.120 1.00 27.57 7942 CD LYS B 232 -41.742 1.919 98.113 1.00 27.02 7943 CE LYS B 232 -43.216 2.092 97.786 1.00													
7933 CB PRO B 231 -37.055 -0.307 101.880 1.00 26.96 7935 CD PRO B 231 -35.973 -1.138 101.101 1.00 27.14 7935 CD PRO B 231 -36.651 -1.697 99.853 1.00 26.65 7937 O PRO B 231 -37.522 1.214 99.502 1.00 25.65 7939 C PRO B 231 -37.522 1.214 99.502 1.00 25.65 7939 CA LYS B 232 -39.636 1.459 100.198 1.00 27.57 7940 CB LYS B 232 -41.228 2.982 99.120 1.00 27.58 7942 CD LYS B 232 -41.742 1.919 98.113 1.00 27.32 7943 CE LYS B 232 -43.735 1.092 97.786 1.00 27.68 7944 NZ LYS B 232 -43.437 1.574 95.333 1.00 22.66 7944 NZ LYS B 232 -43.437 1.574 95.333 <t< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></t<>													
7934 CG PRO B 231 -35.973 -1.138 101.101 1.00 26.65 7935 CD PRO B 231 -36.651 -1.697 99.853 1.00 26.65 7936 C PRO B 231 -38.467 0.834 100.175 1.00 26.53 7938 N LYS B 232 -39.636 1.459 100.198 1.00 26.53 7939 CA LYS B 232 -39.768 2.742 99.550 1.00 27.57 7940 CB LYS B 232 -41.228 2.99.29 99.120 1.00 27.58 7941 CG LYS B 232 -41.742 1.919 98.113 1.00 27.32 7942 CD LYS B 232 -43.216 2.092 97.786 1.00 27.71 7943 CE LYS B 232 -43.215 2.092 97.866 1.00 27.02 7944 NZ LYS B 232 -33.735 1.092 96.706 1.00 22.44 7945 C LYS B 232 -33.233 -39.235 3.799 <	7933												
7936 C PRO B 231 -38.467 0.834 100.175 1.00 26.53 7937 O PRO B 231 -37.522 1.214 99.502 1.00 25.81 7938 N LYS B 232 -39.636 1.459 100.198 1.00 26.67 7940 CB LYS B 232 -41.228 2.982 99.120 1.00 27.57 7941 CG LYS B 232 -41.742 1.919 98.113 1.00 27.32 7942 CD LYS B 232 -43.216 2.092 97.786 1.00 27.71 7943 CE LYS B 232 -43.437 1.092 96.706 1.00 25.66 7944 NZ LYS B 232 -43.437 1.574 95.333 1.00 22.44 7945 C LYS B 232 -39.235 3.799 100.541 1.00 28.66	7934	CG	PRO										
7936 C PRO B 231 -38.467 0.834 100.175 1.00 26.53 7937 O PRO B 231 -37.522 1.214 99.502 1.00 25.81 7938 N LYS B 232 -39.636 1.459 100.198 1.00 26.63 7940 CB LYS B 232 -41.228 2.982 99.120 1.00 27.57 7941 CG LYS B 232 -41.742 1.919 98.113 1.00 27.32 7942 CD LYS B 232 -43.735 1.092 97.786 1.00 27.71 7943 CE LYS B 232 -43.735 1.092 96.706 1.00 27.61 7944 NZ LYS B 232 -33.235 3.799 100.541 1.00 22.44 7945 C LYS B 232 -33.235 3.799 100.541 1.00 22.66	7935	CD	PRO	В	231	_	36.65	1	-1.697	99.8	53	1.00	26.65
7937 O PRO B 231 -37.522 1.214 99.502 1.00 25.81 7938 N LYS B 232 -39.636 1.459 100.198 1.00 26.75 7940 CB LYS B 232 -41.228 2.982 99.120 1.00 27.58 7941 CG LYS B 232 -41.742 1.919 96.113 1.00 27.32 7942 CD LYS B 232 -43.216 2.092 97.766 1.00 27.71 7943 CE LYS B 232 -43.735 1.092 96.706 1.00 27.32 7944 NZ LYS B 232 -43.437 1.574 95.333 1.00 22.44 7945 C LYS B 232 39.233 39.235 3.799 100.541 1.00 28.03	7936	С	PRO	В	231	_	38.46	7	0.834			1.00	26.53
7939 CA LYS B 22 -39.768 2.742 99.550 1.00 27.57 7940 CB LYS B 232 -41.228 2.982 99.120 1.00 27.68 7941 CG LYS B 232 -41.742 1.919 98.113 1.00 27.32 7943 CE LYS B 232 -43.735 1.092 96.706 1.00 27.71 7944 NZ LYS B 232 -43.437 1.574 95.333 1.00 22.44 7945 C LYS B 232 -39.235 3.799 100.541 1.00 26.03	7937		PRO									1.00	
7940 CB LYS B 232 -41.228 2.982 99.120 1.00 27.68 7941 CG LYS B 232 -41.742 1.919 98.113 1.00 27.32 7942 CD LYS B 232 -43.216 2.092 97.786 1.00 27.71 7943 CE LYS B 232 -43.735 1.092 96.706 1.00 25.66 7944 NZ LYS B 232 -43.437 1.574 95.333 1.00 22.44 7945 C LYS B 232 -39.235 3.799 100.541 1.00 28.03	7938	N	LYS	В	232	-	39.63	6	1.459	100.1	98	1.00	26.67
7941 CG LYS B 232 -41.742 1.919 98.113 1.00 27.32 7942 CD LYS B 232 -43.216 2.092 97.786 1.00 27.71 7943 CE LYS B 232 -43.735 1.092 96.706 1.00 25.66 7944 NZ LYS B 232 -43.437 1.574 95.333 1.00 22.44 7945 C LYS B 232 -39.235 3.799 100.541 1.00 28.03	7939	CA	LYS	В	232	-	39.76	8	2.742	99.5	50	1.00	27.57
7941 CG LYS B 232 -41.742 1.919 98.113 1.00 27.32 7942 CD LYS B 232 -43.216 2.092 97.786 1.00 27.71 7943 CE LYS B 232 -43.735 1.092 96.706 1.00 25.66 7944 NZ LYS B 232 -43.437 1.574 95.333 1.00 22.44 7945 C LYS B 232 -39.235 3.799 100.541 1.00 28.03	7940											1.00	
7943 CE LYS B 232 -43.735 1.092 96.706 1.00 25.66 7944 NZ LYS B 232 -43.735 1.574 95.333 1.00 22.44 7945 C LYS B 232 -39.235 3.799 100.541 1.00 28.03	7941												
7944 NZ LYS B 232 -43.437 1.574 95.333 1.00 22.44 7945 C LYS B 232 -39.235 3.799 100.541 1.00 28.03	7942	CD	LYS	В	232	-	43.21	6	2.092	97.7	86	1.00	27.71
7945 C LYS B 232 -39.235 3.799 100.541 1.00 28.03	7943	CE	LYS	В	232	-	43.73	5	1.092	96.7	06	1.00	25.66
	7944	NZ	LYS	В	232	-	43.43	7	1.574	95.3	33	1.00	22.44
7946 O LYS B 232 -38.992 3.495 101.720 1.00 28.59	7945	С				-	39.23	5	3.799	100.5	41	1.00	28.03
	7946	0	LYS	В	232	-	38.99	2	3.495	101.7	20	1.00	28.59

FIGURE 3 EZ

A	В	С	D	E	F	G	Н	I	J
7947	N	ALA	R	233	-38.994	5.008	100.064	1.00	28.09
7948	CA	ALA		233	-38.473	6.064	100.926	1.00	29.37
7949	CB	ALA		233	-38.667	7.408	100.269	1.00	28.92
7950	C	ALA		233	-39.062	6.094	102.342		29.71
7951	0	ALA		233	-40.270	6.032	102.518	1.00	30.57
7952	N	GLY	В	234	-38.199	6.187	103.346	1.00	30.05
7953	CA	GLY	В	234	-38.634	6.344	104.720	1.00	30.42
7954	C	GLY		234	-39.279	5.141	105.356	1.00	31.45
7955	0	GLY	В	234	-39.805	5.237	106.475	1.00	31.70
7956	N	ALA	В	235	-39.245	4.007	104.654	1.00	31.70
7957	CA	ALA	В	235	-39.823	2.762	105.149	1.00	31.68
7958	CB	ALA	В	235	-40.331	1.930	103.975	1.00	31.98
7959	C	ALA	В	235	-38.750	2.012	105.898	1.00	31.77
7960	0	ALA	В	235	-37.587	2.375	105.804	1.00	31.93
7961	N	VAL	В	236	-39.095	0.962	106.635	1.00	32.57
7962	CA	VAL	В	236	-38.016	0.255	107.316	1.00	33.10
7963	CB	VAL	В	236	-38.446	-0.593	108.537	1.00	33.83
7964	CG1	VAL	В	236	-38.187	-2.087	108.332	1.00	34.90
7965	CG2	VAL	В	236	-39.847	-0.232	109.020	1.00	32.94
7966	C	VAL	В	236	-37.147	-0.525	106.338	1.00	32.85
7967	0	VAL	В	236	-37.652	-1.296	105.497	1.00	32.95
7968	N	ASN		237	-35.842	-0.265	106.442	1.00	32.00
7969	CA	ASN	В	237	-34.813	-0.837	105.588	1.00	31.06
7970	CB	ASN		237	-33.595	0.081	105.559	1.00	30.94
7971	CG	ASN		237	-33.662	1.080	104.448	1.00	29.99
7972	OD1	ASN		237	-34.492	0.950	103.567	1.00	30.71
7973	ND2	ASN		237	-32.790	2.079	104.470	1.00	28.91
7974	C	ASN		237	-34.392	-2.167	106.112	1.00	30.86
7975	0	ASN		237	-34.726	-2.508	107.224	1.00	31.35
7976	N	PRO		238	-33.736	-2.979	105.295	1.00	31.04
7977	CA	PRO		238	-33.165	-4.233	105.797	1.00	31.08
7978	CB	PRO		238	-32.615	-4.886	104.519	1.00	30.68
7979	CG	PRO		238	-32.384	-3.719	103.608	1.00	30.58
7980 7981	CD	PRO		238 238	-33.575	-2.847	103.837	1.00	30.47
	C	PRO			-32.007 -31.406	-3.944	106.781 106.751		31.59
7982 7983	N	PRO		238	-31.406	-2.867 -4.893	100.751	1.00	30.75
7983	CA	THR		239	-30.552	-4.737	107.657	1.00	33.35
7985	CB	THR		239	-30.332	-4.975	110.012	1.00	33.48
7986	OG1	THR		239	-31.549	-6.238	110.012	1.00	33.78
7987	CG2	THR		239	-31.926	-3.946	110.171	1.00	32.20
7988	C	THR		239	-29.482	-5.697	108.024	1.00	34.05
7989	0	THR		239	-29.779	-6.677	107.339	1.00	34.27
7990	N	VAL		240	-28.235	-5.402	108.349	1.00	34.30
7991	CA	VAL		240	-27.128	-6.198	107.853	1.00	34.60
7992	CB	VAL		240	-26.404	-5.449	106.730	1.00	34.08
7993	CG1	VAL		240	-25.321	-6.329	106.094	1.00	33.81
7994	CG2	VAL		240	-25.830	-4.149	107.263	1.00	33.77
7995	C	VAL		240	-26.125	-6.568	108.947	1.00	35.20
7996	ŏ	VAL			-25.862	-5.793	109.872	1.00	34.33
7997	N	LYS			-25.611		108.849		36.27

FIGURE 3 FA

A	В	С	D	E	F		G	H	I	J
7998	CA	LYS		241	-24.5			109.727	1.00	37.18
7999	CB		3 B		-25.0		-9.402	110.599	1.00	36.94
8000	CG	LYS	3 B	241	-25.4	160	-8.988	112.005	1.00	37.33
8001	CD	LYS	3 B	241	-26.9		-9.027	112.191	1.00	37.13
8002	CE	LYS	3 B	241	-27.3	129	-9.127	113.668	1.00	37.02
8003	NZ	LYS	3 B	241	-27.5	99	-10.541	114.125	1.00	37.48
8004	C	LY:	3 B	241	-23.4	119	-8.704	108.830	1.00	38.02
8005	0	LY:	3 B	241	-23.6	554	-9.049	107.666	1.00	38.17
8006	N	PHI	В	242	-22.1	.91	-8.695	109.345	1.00	38.53
8007	CA	PHI	В	242	-21.0	060	-9.112	108.538	1.00	38.67
8008	CB	PHI	В	242	-20.1	.50	-7.919	108.261	1.00	38.63
8009	CG	PHI	В	242	-19.0	166	-8.205	107.257	1.00	39.51
8010	CD1	PHI	В	242	-19.3	311	-8.073	105.900	1.00	38.66
8011	CE1	PHI	В	242	-18.3	322	-8.335	104.974	1.00	40.21
8012	CZ	PHI	В	242	-17.0	63	-8.743	105.401	1.00	40.58
8013	CE2	PHI	В	242	-16.8	07	-8.877	106.753	1.00	39.64
8014	CD2	PHI	В	242	-17.7	99	-8.612	107.674	1.00	39.14
8015	С	PHI	В	242	-20.3	807	-10.232	109.243	1.00	39.45
8016	0	PHI	В	242	-20.0	187	-10.170	110.460	1.00	39.74
8017	N	PHI	В	243	-19.9	29	-11.264	108.494	1.00	39.56
8018	CA	PHI	В	243	-19.2	20	-12.394	109.075	1.00	40.01
8019	CB	PHI	В	243	-20.1	.44	-13.583	109.252	1.00	40.24
8020	CG	PHI	В	243	-21.4	100	-13.294	110.005	1.00	39.63
8021	CD1	PHI	В	243	-22.4	180	-12.702	109.375	1.00	38.78
8022	CE1	PHI	В	243	-23.6	552	-12.455	110.063	1.00	38.28
8023	CZ	PHI	В	243	-23.7		-12.811	111.393	1.00	38.50
8024	CE2		В		-22.7		-13.418	112.035	1.00	39.56
8025	CD2		В	243	-21.5		-13.661	111.333	1.00	39.40
8026	С	PHI		243			-12.891	108.222	1.00	40.72
8027	ō		В	243	-18.0		-12.752	106.996	1.00	40.63
8028	N	VAI	В	244			-13.474	108.879	1.00	41.01
8029	CA	VAI		244			-14.142	108.164	1.00	41.48
8030	CB		В		-14.7		-13.267	107.963	1.00	41.57
8031	CG1		В				-12.196	108.984	1.00	42.82
8032	CG2		В				-14.109	107.935		41.56
8033	C	VAI		244	-15.6		-15.495	108.777	1.00	41.65
8034	ŏ	VAI		244	-15.4		-15.620	109.978	1.00	42.00
8035	N		В		-15.7		-16.512	107.932	1.00	41.78
8036	CA		В		-15.4		-17.877	108.322	1.00	42.04
8037	CB	VAI		245			-18.792	107.827	1.00	42.21
8038	CG1	VAI		245	-16.8		-18.624	106.312	1.00	41.86
8039	CG2	VAI		245	-16.3		-20.244	108.180	1.00	42.17
8040	C		В		-14.1		-18.351	107.702	1.00	42.59
8041	Ö		В				-18.011	106.564	1.00	
8042	N		1 B		-13.4		-19.115	108.470		43.43
8043	CA	ASI		246	-12.1		-19.689	107.967	1.00	44.19
8044	CB	ASI		246	-11.1		-19.985	109.115	1.00	44.00
8045	CG	ASI		246	-9.8		-20.526	108.628	1.00	43.62
8046	OD1		1 B		-9.8		-21.419	107.792	1.00	43.78
8047	ND2		1 B		-8.7		-19.998	109.168	1.00	40.49
8048	C			246	-12.5		-20.965	107.269		44.86
0010	_	1101		210	12.0		20.505	10,.200	1.00	

FIGURE 3 FB

A	В	C	D	E		F	G	H	I	J
8049	0	ASN	D	246	-12	126	-21.856	107.887	1.00	44.93
8050	N	THR		247	-12.		-21.059	105.975	1.00	46.04
8051	CA	THR		247	-12.		-22.261	105.260	1.00	46.94
8052	CB	THR		247	-12.		-21.969	103.200	1.00	46.97
8053	OG1	THR		247	-11.		-21.577	103.771	1.00	46.64
8054	CG2			247	-11.		-20.749	103.112	1.00	46.00
		THR					-23.389	105.470		
8055	C	THR		247	-11.				1.00	47.81
8056	O N	THR		247	-12.		-24.562 -23.037	105.448	1.00	48.21
8057		ASP	В	248	-10.			105.718	1.00	
8058	CA	ASP		248	-9.		-24.055	105.986	1.00	49.91
8059	CB	ASP		248	-7.		-23.433	106.092	1.00	49.97
8060	CG	ASP		248	-7.		-22.889	104.767	1.00	50.78
8061	OD1	ASP		248	-7.		-23.358	103.712		50.27
8062	OD2	ASP	В	248	-6.		-21.995	104.683	1.00	52.28
8063	C	ASP		248	-9.		-24.840	107.264		50.47
8064	0	ASP		248			-25.958	107.441	1.00	50.52
8065	N	SER		249	-10.		-24.270	108.154	1.00	51.46
8066	CA	SER		249	-10.		-24.958	109.416	1.00	52.21
8067	CB	SER		249	-10.		-24.021	110.612	1.00	52.18
8068	OG	SER		249	-11.		-23.586	111.162	1.00	53.07
8069	C	SER		249	-12.		-25.600	109.457	1.00	52.53
8070	0	SER		249	-12.		-25.857	110.533	1.00	52.48
8071	N	LEU		250	-12.		-25.854	108.277	1.00	52.90
8072	CA	LEU	В	250	-14.		-26.504	108.156	1.00	53.25
8073	CB	LEU		250	-14.		-26.511	106.695	1.00	52.98
8074	CG	LEU		250	-15.		-25.572	106.239	1.00	52.88
8075	CD1	LEU		250	-15.		-24.970 -24.471	104.871	1.00	52.20
8076	CD2	LEU		250 250	-15.		-24.471	107.244	1.00	51.68
8077	C	LEU			-13. -12.		-27.932	108.660	1.00	53.74
8078 8079	N	SER		250 251	-12.		-28.332	108.555	1.00	54.40
				251	-15.		-29.821	109.696	1.00	55.11
8080 8081	CA CB	SER		251	-13.		-29.821	111.198	1.00	55.26
8082	OG	SER		251	-14.		-31.214	111.648	1.00	55.97
8083	C	SER		251	-16.		-30.464	109.373		55.39
8084	0	SER		251	-17.		-29.778	109.373	1.00	55.53
8085	N	SER		252	-16.		-31.787	109.134	1.00	55.57
8086	CA	SER		252	-17.		-32.477	108.931	1.00	55.82
	CB	SER		252	-17.		-33.627	107.996	1.00	55.97
8087 8088	OG	SER		252	-16.		-33.027	107.217	1.00	56.43
8089	C	SER		252	-18.		-32.977	110.128	1.00	55.76
8090	0	SER		252	-10.		-33.572	109.982	1.00	55.88
8091	N	VAL		253	-17.		-32.717	111.318	1.00	55.78
8092	CA	VAL		253	-18.		-33.189	112.537		55.76
8093	CB	VAL		253	-17.		-34.115	113.328	1.00	55.84
8094	CG1	VAL		253	-18.		-34.113	114.784	1.00	56.15
8095	CG2	VAL		253	-17.		-35.488	112.666	1.00	55.52
8096	C	VAL		253	-18.		-32.004	113.388	1.00	55.72
8097	Ö	VAL		253	-19.		-32.151	114.424	1.00	55.94
8098	N	THR		254	-18.		-30.819	112.938	1.00	55.49
8099	CA	THR		254	-18.			113.658		55.35
			_		_0.					

FIGURE 3 FC

A	В	С	D	E		F	G	H	I	J
8100	СВ	THR	R	254	-17	771	-29.199	114 577	1 00	55.43
8101	OG1	THR		254				114.355	1.00	55.88
8102	CG2	THR		254		.519		114.165		56.14
8103	C	THR		254		.358	-28.463	112.731		54.81
8103	0	THR		254		.762	-28.239	111.674		54.88
8105	N	ASN		255		.401	-27.748	111.674	1.00	
								112.359		
8106	CA	ASN		255		.859	-26.609	112.339	1.00	52.98
8107	CB	ASN		255		.150	-26.032 -26.816	112.540	1.00	53.13
8108	CG OD1	ASN		255		.366			1.00	
8109	OD1	ASN		255		.356	-27.440	111.450		54.93
8110	ND2	ASN		255		.418	-26.803	113.327	1.00	58.09
8111	C	ASN		255		.747	-25.592	112.339	1.00	52.05
8112	0	ASN		255		.915	-25.562	113.245		52.18
8113	N	ALA		256		.704	-24.791	111.284	1.00	50.74
8114	CA	ALA		256		.674	-23.787	111.133	1.00	49.28
8115	CB	ALA		256		.558	-23.386		1.00	49.39
8116	C	ALA		256		.018		111.984	1.00	48.62
8117	0	ALA		256		.192	-22.248	112.153	1.00	48.43
8118	N	THR		257		.005	-21.940	112.542	1.00	47.61
8119	CA	THR		257		.259	-20.730	113.298	1.00	47.02
8120	CB	THR		257		.503	-20.703	114.659	1.00	47.32
8121	OG1	THR		257		.787	-19.463		1.00	46.70
8122	CG2	THR		257		.407	-21.743	114.681	1.00	47.86
8123	С	THR		257		.935	-19.518	112.444	1.00	46.26
8124	0	THR		257		.844	-19.385	111.888		46.32
8125	N	SER		258			-18.643	112.320		45.20
8126	CA	SER		258			-17.441	111.558	1.00	44.45
8127	CB	SER		258			-17.070	110.816	1.00	44.73
8128	OG	SER	В	258			-18.236	110.294	1.00	44.99
8129	С	SER	В	258	-18	.330	-16.382	112.571	1.00	43.81
8130	0	SER	В	258	-18	.960	-16.247	113.624	1.00	43.27
8131	N	ILE	В	259	-17	.262	-15.661	112.281	1.00	42.93
8132	CA	ILE	В	259	-16	.837	-14.633	113.191	1.00	42.31
8133	CB	ILE	В	259	-15	.313	-14.454	113.162	1.00	42.54
8134	CG1	ILE	В	259	-14	.643	-15.714	113.695	1.00	42.45
8135	CD1	ILE	В	259	-15	.288	-16.235	114.960	1.00	42.58
8136	CG2	ILE	В	259	-14	.914	-13.273	114.016	1.00	42.31
8137	С	ILE	В	259	-17	.506	-13.384	112.721	1.00	41.66
8138	0	ILE	В	259	-17	.317	-12.970	111.590	1.00	41.40
8139	N	GLN	В	260	-18	.312	-12.794	113.585	1.00	41.02
8140	CA	GLN	В	260	-18	.988	-11.570	113.229	1.00	40.51
8141	CB	GLN	В	260	-20	.274	-11.409	114.032	1.00	40.31
8142	CG	GLN	В	260	-20	.880	-10.028	113.875	1.00	40.06
8143	CD	GLN	В	260	-22	.307	-9.943	114.377	1.00	40.09
8144	OE1	GLN	В	260	-22	.759	-10.796	115.152	1.00	39.59
8145	NE2	GLN	В	260	-23	.020	-8.910	113.941	1.00	37.16
8146	С	GLN		260		.096	-10.372	113.465	1.00	40.37
8147	Ō	GLN		260			-10.296	114.466	1.00	40.89
8148	N	ILE	В	261	-18	.122	-9.452	112.512	1.00	40.18
8149	CA	ILE	В	261	-17	.454	-8.168	112.618	1.00	39.30
8150	CB	ILE	В	261	-16	.673	-7.873	111.353	1.00	39.07

FIGURE 3 FD

A	В	C I	E	F	G	Н	I	J
8151	CG1	ILE B		-15.581	-8.928	111.126	1.00	39.08
8152	CD1	ILE B		-14.550	-8.496	110.109	1.00	36.42
8153	CG2	ILE E		-16.071	-6.482	111.413	1.00	38.83
8154	C	ILE E		-18.594	-7.173	112.726	1.00	39.53
8155	0	ILE E		-19.438	-7.097	111.827	1.00	39.84
8156	N	THR E		-18.662	-6.431	113.825	1.00	38.85
8157	CA	THR E		-19.733	-5.457	113.961	1.00	38.23
8158 8159	CB OG1	THR E		-20.106 -18.910	-5.288 -5.066	115.426 116.169	1.00	38.47
8160	CG2	THR E		-20.649	-6.597	115.998	1.00	38.72
8161	C	THR E		-19.341	-4.109	113.372	1.00	37.66
8162	Ö	THR E		-18.165	-3.766	113.279	1.00	37.65
8163	N	ALA E		-20.344	-3.343	112.981	1.00	37.26
8164	CA	ALA E		-20.136	-2.017	112.422	1.00	36.78
8165	CB	ALA E	263	-21.413	-1.555	111.830	1.00	37.01
8166	C	ALA E	263	-19.715	-1.046	113.517	1.00	36.64
8167	0	ALA E	263	-19.971	-1.282	114.688	1.00	36.85
8168	N	PRO E	264	-19.098	0.065	113.148	1.00	36.52
8169	CA	PRO E		-18.688	1.050	114.147	1.00	36.33
8170	CB	PRO E		-18.139	2.199	113.308	1.00	36.24
8171	CG	PRO E		-17.890	1.641	111.959	1.00	35.73
8172	CD	PRO E		-18.765	0.474	111.776	1.00	36.33
8173	С	PRO E		-19.901	1.545	114.926	1.00	37.00
8174	0	PRO E		-21.002	1.697	114.355	1.00	36.67
8175	N	ALA E		-19.697	1.794	116.220	1.00	37.13
8176 8177	CA CB	ALA E		-20.729 -20.136	2.350	117.086 118.461	1.00	37.00 37.56
8178	C	ALA E		-20.136	3.585	116.455	1.00	37.13
8179	Ö	ALA E		-22.561	3.824	116.609	1.00	36.95
8180	N	SER E		-20.577	4.369	115.726	1.00	37.15
8181	CA	SER E		-21.138	5.551	115.097	1.00	37.43
8182	CB	SER E		-20.047	6.469	114.592	1.00	37.04
8183	OG	SER E	266	-19.411	5.880	113.484	1.00	38.44
8184	C	SER E	266	-22.068	5.178	113.936	1.00	37.94
8185	0	SER E	266	-22.594	6.046	113.244	1.00	37.98
8186	N	MET E	267	-22.238	3.887	113.702	1.00	38.09
8187	CA	MET E		-23.175	3.443	112.688	1.00	38.48
8188	CB	MET E		-22.513	2.483	111.691	1.00	38.25
8189	CG	MET E		-21.512	3.168	110.770	1.00	38.46
8190	SD		267	-22.322	3.969		1.00	37.89
8191	CE	MET B		-21.184	5.222	108.957	1.00	34.81
8192 8193	C	MET E	267	-24.285 -25.454	2.747	113.437 113.144	1.00	38.49
8193	N	LEU B		-23.454	1.966	114.443	1.00	38.45
8195	CA	LEU E		-24.910	1.222	115.198	1.00	39.23
8196	CB	LEU E		-24.252	0.337	116.244	1.00	39.27
8197	CG	LEU E		-23.630	-0.970	115.789	1.00	39.59
8198	CD1	LEU E		-23.026	-1.638	117.009	1.00	40.45
8199	CD2	LEU E		-24.656	-1.873	115.122	1.00	38.79
8200	С	LEU E		-25.874	2.155	115.884	1.00	39.28
8201	0	LEU E	268	-26.848	1.725	116.484	1.00	39.39

FIGURE 3 FE

A	В	C I) E	F	G	H	I	J
8202	N	ILE E	269	-25.585	3.441	115.795	1.00	39.69
8203	CA	ILE E		-26.419	4.453	116.410	1.00	40.33
8204	CB	ILE E		-25.674	5.825	116.370	1.00	40.48
8205	CG1	ILE E		-26.105	6.690	117.535	1.00	40.65
8206	CD1	ILE E		-25.847	6.028	118.865	1.00	42.72
8207	CG2	ILE E		-25.841	6.532	115.040		41.25
8208	c	ILE E		-27.827	4.498	115.770	1.00	40.34
8209	ŏ	ILE E		-28.841	4.679	116.459	1.00	40.41
8210	N	GLY E		-27.890	4.288	114.459	1.00	39.85
8211	CA	GLY E		-29.164	4.285	113.751	1.00	39.12
8212	C	GLY E		-29.196	3.299	112.589	1.00	38.12
8213	0	GLY E	3 270	-28.502	2,277	112.616	1.00	37.74
8214	N	ASP E	271	-30.035	3.593	111.594	1.00	36.92
8215	CA	ASP E	271	-30.104	2.791	110.388	1.00	36.02
8216	CB	ASP E	271	-31.312	3.179	109.547	1.00	35.99
8217	CG	ASP E	271	-32.594	2.530	110.034	1.00	36.39
8218	OD1	ASP E	271	-32.509	1.672	110.959	1.00	33.33
8219	OD2	ASP E	271	-33.729	2.818	109.548	1.00	34.54
8220	С	ASP E	271	-28.831	3.069	109.608	1.00	35.29
8221	0	ASP E	271	-28.382	4.206	109.515	1.00	35.40
8222	N	HIS E	272	-28.223	2.031	109.065	1.00	33.91
8223	CA	HIS E	272	-27.004	2.248	108.305	1.00	33.12
8224	CB	HIS E	272	-25.795	2.096	109.227	1.00	31.99
8225	CG	HIS E	272	-25.746	0.772	109.899	1.00	30.02
8226	ND1	HIS E	272	-26.486	0.489	111.028	1.00	30.83
8227	CE1	HIS E	272	-26.273	-0.764	111.388	1.00	29.81
8228	NE2	HIS E		-25.427	-1.303	110.530	1.00	30.16
8229	CD2	HIS E	272	-25.097	-0.368	109.578	1.00	28.42
8230	С	HIS E		-26.946	1.174	107.234	1.00	32.53
8231	0	HIS E		-27.816	0.337	107.186	1.00	32.22
8232	N	TYR E		-25.903	1.205	106.411	1.00	32.18
8233	CA	TYR E		-25.664	0.185	105.409	1.00	32.39
8234	CB	TYR E		-25.943	0.727	104.005	1.00	31.52
8235	CG	TYR E		-27.277	1.379	103.776	1.00	30.43
8236	CD1	TYR E		-28.438	0.637	103.736	1.00	
8237	CE1	TYR E		-29.655	1.241	103.480		29.01
8238	CZ	TYR E		-29.708	2.587	103.242	1.00	
8239	OH	TYR E		-30.907	3.211	102.998		29.60
8240	CE2	TYR E		-28.562	3.339	103.265	1.00	30.14
8241	CD2	TYR E		-27.357	2.735	103.523	1.00	
8242	С	TYR E		-24.199	-0.217	105.347	1.00	33.08
8243	0	TYR E		-23.299	0.567	105.694	1.00	32.62
8244	N	LEU E		-23.983	-1.431	104.841	1.00	33.48
8245	CA	LEU E		-22.670	-1.916	104.490	1.00	34.29
8246	CB	LEU E		-22.584	-3.422	104.690	1.00	34.01
8247	CG	LEU E		-21.233	-4.065	104.329	1.00	35.66
8248	CDI	LEU E		-20.163	-3.758	105.396	1.00	34.34
8249	CD2	LEU E		-21.383	-5.577	104.147	1.00	34.70
8250	C	LEU E		-22.592	-1.570	103.022	1.00	35.14
8251	0	LEU E		-23.398	-2.041	102.234	1.00	35.22
8252	N	CYS E	215	-21.633	-0.743	102.637	1.00	36.49

FIGURE 3 FF

A	В	С	D	Е	F	,	G	Н	1	J
8253	CA	CYS	В	275	-21.5	98	-0.284	101.264	1.00	38.00
8254	CB	CYS			-21.7		1.233	101.203		37.89
8255	SG	CYS			-20.4		2.141	102.060		41.73
8256	С	CYS			-20.3		-0.738	100.485		38.60
8257	ō	CYS			-20.3		-0.615	99.266		38.77
8258	N	ASP			-19.3		-1.246	101.175		39.13
8259	CA	ASP			-18.1		-1.764	100.469		39.49
8260	CB	ASP		276	-17.2		-0.654	99.942	1.00	39.64
8261	CG	ASP		276	-16.0		-1.199	99.235		41.05
8262	OD1	ASP		276	-15.9		-1.067	98.000		43.44
8263	OD2	ASP		276	-15.1		-1.800	99.829		42.89
8264	С	ASP			-17.3		-2.750	101.284		39.39
8265	ō	ASP			-17.2		-2.592	102.493		39.54
8266	N	VAL		277	-16.8		-3.763	100.599		38.98
8267	CA	VAL		277	-16.0		-4.799	101.206		38.77
8268	CB	VAL	В	277	-16.7	88	-6.124	101.324	1.00	39.05
8269	CG1	VAL			-15.9		-7.199	101.921	1.00	39.22
8270	CG2	VAL		277	-18.0		-5.955	102.168		37.97
8271	С	VAL		277	-14.7		-5.042	100.355		39.05
8272	ō	VAL		277	-14.8		-5.521	99.234		39.52
8273	N	THR		278	-13.6		-4.719	100.882	1.00	39.00
8274	CA	THR			-12.4		-4.928	100.116		37.98
8275	CB	THR			-11.9		-3.594	99.597		38.19
8276	OG1	THR			-12.8		-3.088	98.603		38.23
8277	CG2	THR	В	278	-10.6	07	-3.795	98.848	1.00	37.09
8278	С	THR	В	278	-11.3		-5.595	100.954		38.18
8279	0	THR			-10.8		-5.021	101.938		38.22
8280	N	TRP		279	-10.9		-6.804	100.564		37.09
8281	CA	TRP	В	279	-9.8	50	-7.486	101.250		36.31
8282	CB	TRP	В	279	-9.7	33	-8.923	100.759	1.00	35.92
8283	CG	TRP	В	279	-10.6	72	-9.858	101.423	1.00	34.21
8284	CD1	TRP	В	279	-11.8	53	-10.320	100.938	1.00	33.31
8285	NE1	TRP	В	279	-12.4	38	-11.178	101.841	1.00	32.80
8286	CE2	TRP	В	279	-11.6	18	-11.285	102.933	1.00	33.27
8287	CD2	TRP	В	279	-10.5	02	-10.461	102.704	1.00	33.83
8288	CE3	TRP	В	279	-9.5	09	-10.394	103.683	1.00	33.15
8289	CZ3	TRP	В	279	-9.6	63	-11.125	104.826	1.00	34.15
8290	CH2	TRP	В	279	-10.7	84	-11.926	105.027	1.00	34.29
8291	CZ2	TRP	В	279	-11.7	72	-12.021	104.092	1.00	34.17
8292	С	TRP	В	279	-8.5	46	-6.737	100.984	1.00	36.37
8293	0	TRP	В	279	-8.2	79	-6.313	99.861	1.00	35.97
8294	N	ALA	В	280	-7.7		-6.564	102.010	1.00	35.86
8295	CA	ALA	В	280	-6.4	75	-5.858	101.796	1.00	36.13
8296	CB	ALA	В	280	-6.2	40	-4.819	102.902	1.00	36.41
8297	C	ALA			-5.2		-6.821	101.703		35.57
8298	0	ALA	В	280	-4.3	65	-6.586	100.960	1.00	34.87
8299	N	THR			-5.3		-7.904	102.470		36.03
8300	CA	THR		281	-4.2		-8.899	102.519		36.43
8301	CB	THR		281	-3.2		-8.600	103.649		36.45
8302	OG1	THR		281	-3.8		-9.079	104.897		35.74
8303	CG2	THR	В	281	-3.1	22	-7.116	103.887	1.00	35.62

FIGURE 3 FG

A	В	C	D	E	F	G	H	I	J
	_								
8304	C	THR		281		-10.211	102.852	1.00	36.84
8305	0	THR		281		-10.304	102.902	1.00	37.00
8306	N	GLN		282	-4.142	-11.223	103.115	1.00	37.40
8307	CA	GLN		282	-4.672	-12.520	103.486	1.00	38.02
8308	CB	GLN		282	-3.538		103.564	1.00	37.95
8309	CG	GLN		282	-2.706		102.289	1.00	38.65
8310	CD	GLN		282	-3.526		101.062	1.00	38.38
8311	OE1	GLN		282	-4.628		101.190	1.00	38.79
8312	NE2	GLN		282	-2.988	-13.800	99.878	1.00	35.23
8313	C	GLN		282	-5.338	-12.437	104.840	1.00	38.28
8314	0	GLN		282	-6.153	-13.287	105.194	1.00	38.52
8315	N	GLU		283	-4.986		105.604	1.00	38.86
8316	CA	GLU		283	-5.453	-11.328	106.976	1.00	39.52
8317	CB	GLU		283	-4.291	-11.653	107.925	1.00	39.66
8318	CG	GLU	В	283	-3.972	-13.137	108.032	1.00	41.29
8319	CD	GLU	В	283	-2.684	-13.415	108.804	1.00	44.21
8320	OE1	GLU	В	283	-2.355	-14.604	109.007	1.00	44.57
8321	OE2	GLU	В	283	-1.994	-12.444	109.197	1.00	45.27
8322	C	GLU	В	283	-6.067	-9.987	107.354	1.00	39.44
8323	0	GLU	В	283	-6.421	-9.763	108.518	1.00	39.54
8324	N	ARG	В	284	-6.194	-9.092	106.385	1.00	39.32
8325	CA	ARG	В	284	-6.752	-7.782	106.672	1.00	39.16
8326	CB	ARG	В	284	-5.641	-6.750	106.734	1.00	39.23
8327	CG	ARG	В	284	-6.114	-5.329	106.614	1.00	39.03
8328	CD	ARG	В	284	-4.983	-4.351	106.729	1.00	39.98
8329	NE	ARG	В	284	-4.252	-4.593	107.974	1.00	41.16
8330	CZ	ARG	В	284	-2.970	-4.328	108.146	1.00	41.27
8331	NH1	ARG	В	284	-2.397	-4.579	109.316	1.00	42.14
8332	NH2	ARG	В	284	-2.263	-3.803	107.157	1.00	39.73
8333	C	ARG	В	284	-7.820	-7.344	105.673	1.00	39.07
8334	0	ARG	В	284	-7.554	-7.152	104.484	1.00	39.65
8335	N	ILE	В	285	-9.031	-7.158	106.173	1.00	38.68
8336	CA	ILE	В	285	-10.131	-6.749	105.327	1.00	37.92
8337	CB	ILE	В	285	-11.241	-7.792	105.399	1.00	37.87
8338	CG1	ILE	В	285	-12.387	-7.434	104.437	1.00	38.16
8339	CD1	ILE	В	285	-13.473	-8.491	104.376	1.00	36.63
8340	CG2	ILE	В	285	-11.727	-7.933	106.825	1.00	37.11
8341	C	ILE		285	-10.671	-5.393	105.731	1.00	37.86
8342	o		В	285	-10.762	-5.074	106.926	1.00	37.77
8343	N	SER		286	-11.016	-4.587	104.731	1.00	37.21
8344	CA	SER		286	-11.661	-3.313	104.994	1.00	37.35
8345	CB	SER		286	-11.010	-2.176	104.197	1.00	37.02
8346	OG	SER		286	-11.201	-2.342	102.812	1.00	37.16
8347	C	SER		286	-13.167	-3.376	104.709	1.00	37.41
8348	0	SER		286	-13.595	-3.962	103.703	1.00	37.72
8349	N	LEU	В	287	-13.956	-2.801	105.619	1.00	37.62
8350	CA	LEU		287	-15.399	-2.633	105.441	1.00	37.40
8351	CB	LEU		287	-16.196	-3.198	106.604	1.00	37.50
8352	CG	LEU		287	-16.435	-4.694	106.778	1.00	37.77
8353	CD1	LEU		287	-15.702	-5.185	108.004	1.00	38.51
8354	CD2	LEU		287	-16.094		105.510	1.00	35.92
0004	CDZ	Unit	ט	201	-10.094	-5.500	100.010	1.00	55.52

FIGURE 3 FH

A	В	C	D	E		F	G	H	I	J
8355	С	LEU	В	287	-15.	675	-1.151	105.421	1.00	37.77
8356	0	LEU		287	-15.		-0.384	106.145	1.00	37.69
8357	N	GLN		288	-16.		-0.735	104.582	1.00	37.44
8358	CA	GLN		288	-17.		0.655	104.565	1.00	37.10
8359	CB	GLN		288	-16.		1.327	103.232	1.00	37.38
8360	CG	GLN		288	-15.		1.975	103.232	1.00	38.66
8361	CD	GLN		288	-15.		2.632	101.861	1.00	40.12
8362	OE1	GLN		288	-15.		3.849	101.744	1.00	42.07
8363	NE2	GLN		288	-14.		1.826	100.850	1.00	42.14
8364	C	GLN		288	-14.		0.684	100.850	1.00	36.53
	0	GLN						104.889		
8365	-			288	-19.		-0.051		1.00	36.84
8366	N	TRP		289	-18.		1.520	105.851	1.00	35.59
8367	CA	TRP		289	-20.		1.586	106.310	1.00	34.92
8368	CB	TRP	В	289	-20.		1.326	107.815	1.00	34.68
8369	CG	TRP		289	-19.		-0.019	108.238	1.00	33.12
8370	CD1	TRP		289	-18.		-0.359	108.516	1.00	31.84
8371	NE1	TRP		289	-18.		-1.685	108.873	1.00	31.97
8372	CE2	TRP		289	-19.		-2.223	108.837	1.00	31.75
8373	CD2	TRP	В	289	-20.		-1.201	108.444	1.00	32.72
8374	CE3	TRP		289	-21.		-1.501	108.326	1.00	32.48
8375	CZ3	TRP		289	-22.		-2.782	108.607	1.00	32.80
8376	CH2	TRP		289	-21.		-3.768	109.003	1.00	32.08
8377	CZ2	TRP		289	-20.		-3.507	109.131	1.00	31.47
8378	С	TRP		289	-20.		2.943	105.993	1.00	35.14
8379	0	TRP		289	-20.		3.909	105.856	1.00	35.72
8380	N	LEU		290	-22.		3.014	105.903	1.00	35.19
8381	CA	LEU		290	-22.		4.237	105.509	1.00	35.28
8382	CB	LEU		290	-23.		4.178	104.014	1.00	35.14
8383	CG	LEU		290	-23.		5.463	103.218	1.00	36.86
8384	CD1	LEU		290	-24.		5.191	101.918	1.00	34.86
8385	CD2	LEU		290	-23.		6.510	104.064	1.00	38.04
8386	C	LEU		290	-24.		4.385	106.277	1.00	34.83
8387	0	LEU		290	-24.		3.459	106.353	1.00	33.83
8388	N	ARG	В	291	-24.		5.562	106.854	1.00	35.32
8389	CA	ARG	В	291	-25.	508	5.874	107.578	1.00	35.73
8390	CB	ARG	В	291	-25.		7.156	108.375	1.00	36.02
8391	CG	ARG	В	291	-24.	458	7.008	109.591	1.00	37.90
8392	CD	ARG	В	291	-24.	452	8.252	110.451	1.00	39.63
8393	NE	ARG	В	291	-23.	770	8.015	111.708	1.00	38.90
8394	CZ	ARG	В	291	-23.	265	8.973	112.459	1.00	40.15
8395	NH1	ARG	В	291	-22.	643	8.666	113.592	1.00	38.43
8396	NH2	ARG	В	291	-23.	374	10.236	112.071	1.00	38.95
8397	C	ARG	В	291	-26.	677	6.090	106.617	1.00	35.27
8398	0	ARG	В	291	-26.	501	6.598	105.513	1.00	34.88
8399	N	ARG	В	292	-27.	880	5.741	107.058	1.00	35.74
8400	CA	ARG	В	292	-29.	075	5.944	106.239	1.00	35.22
8401	CB	ARG	В	292	-30.	348	5.581	107.007	1.00	35.20
8402	CG	ARG	В	292	-31.	498	5.216	106.064	1.00	34.72
8403	CD	ARG	В	292	-32.	801	4.879	106.741	1.00	33.40
8404	NE	ARG	В	292	-33.		4.915	105.804	1.00	34.54
8405	CZ	ARG	В	292	-34.	938	4.070	105.848	1.00	35.08

FIGURE 3 FI

A	В	С	D	Е	F	G	H	I	J
8406	NH1	ARG	B	292	-35.92	29 4.151	104.958	1.00	35.28
8407	NH2	ARG		292	-34.9			1.00	34.28
8408	C	ARG		292	-29.13			1.00	35.33
8409	o	ARG		292	-29.63			1.00	35.36
8410	N	ILE	В	293	-28.6			1.00	35.34
8411	CA	ILE		293	-28.48			1.00	35.81
8412	CB	ILE	В	293	-28.68			1.00	36.34
8413	CG1		В	293	-30.1			1.00	36.47
8414	CD1	ILE	В	293	-30.3			1.00	40.52
8415	CG2	ILE	В	293	-28.30			1.00	35.62
8416	С	ILE	В	293	-27.0			1.00	36.01
8417	0	ILE	В	293	-26.09		105.989	1.00	36.31
8418	N	GLN	В	294	-27.00		103.965	1.00	36.43
8419	CA	GLN	В	294	-25.75	57 9.005	103.287	1.00	36.06
8420	CB	GLN		294	-26.09			1.00	36.08
8421	CG	GLN	В	294	-26.95	59 7.108	102.114	1.00	34.91
8422	CD	GLN	В	294	-27.49	91 6.560	100.809	1.00	34.61
8423	OE1	GLN	В	294	-26.84	43 6.672	99.768	1.00	33.16
8424	NE2	GLN	В	294	-28.6			1.00	35.21
8425	C	GLN	В	294	-24.73	35 10.119	103.112	1.00	36.09
8426	0	GLN	В	294	-24.1	12 10.264	102.044	1.00	35.47
8427	N	ASN	В	295	-24.50	09 10.891	104.165	1.00	36.56
8428	CA	ASN	В	295	-23.4	71 11 917	104.111	1.00	36.97
8429	CB	ASN	В	295	-24.03	38 13.316	104.341	1.00	37.10
8430	CG	ASN	В	295	-24.73	17 13.480	105.691	1.00	37.40
8431	OD1	ASN	В	295	-24.70	3 12.590	106.552	1.00	35.93
8432	ND2	ASN	В	295	-25.32			1.00	43.29
8433	C	ASN	В	295	-22.32	26 11.614	105.073	1.00	37.07
8434	0	ASN	В	295	-21.4			1.00	36.84
8435	N	TYR		296	-22.33			1.00	37.36
8436	CA	TYR	В	296	-21.33			1.00	37.65
8437	CB	TYR		296	-21.88			1.00	37.75
8438	CG	TYR		296	-20.8			1.00	39.31
8439	CD1	TYR		296	-20.02			1.00	41.42
8440	CE1	TYR		296	-19.13			1.00	42.77
8441	CZ	TYR		296	-19.03			1.00	43.87
8442	OH	TYR		296	-18.13			1.00	47.04
8443	CE2	TYR		296	-19.8			1.00	43.23
8444	CD2	TYR		296	-20.78			1.00	41.78
8445	С	TYR		296	-20.9			1.00	37.35
8446	0	TYR		296	-21.82			1.00	37.45
8447	N	SER		297	-19.78			1.00	37.67
8448	CA	SER		297	-19.40			1.00	37.97
8449	CB	SER		297	-19.22			1.00	37.31
8450	0G	SER		297	-18.36			1.00	37.00
8451	C	SER		297	-18.13			1.00	38.36
8452	0	SER		297	-17.28			1.00	39.01
8453	N	VAL		298	-17.95			1.00	38.97
8454	CA	VAL		298	-16.7			1.00	39.42
8455	CB CC1	VAL		298	-17.02			1.00	39.31
8456	CG1	VAL	В	298	-17.69	94 5.918	110.095	1.00	39.19

FIGURE 3 FJ

A	В	С	D	Е	F	G	Н	I	J
8457	CG2	VAL	В	298	-15.730	4.393	110.106	1.00	39.59
8458	C	VAL	В	298	-16.116	3.788	107.379	1.00	39.78
8459	0	VAL	В	298	-16.796	2.781	107.193	1.00	38.93
8460	N		В	299	-14.809	3.840	107.130	1.00	40.58
8461	CA	MET	В	299	-14.084	2.641	106.752	1.00	41.10
8462	CB	MET	В	299	-13.045	2.919	105.678	1.00	40.94
8463	CG	MET	В	299	-12.122	1.725	105.482	1.00	42.37
8464	SD	MET	В	299	-10.984	1.874	104.140	1.00	45.66
8465	CE	MET	В	299	-10.533	3.507	104.278	1.00	45.39
8466	C		В	299	-13.390	2.037	107.961	1.00	41.61
8467	0	MET	В	299	-12.568	2.691	108.603	1.00	42.63
8468	N	ASP	В	300	-13.746	0.807	108.295	1.00	41.81
8469	CA		В	300	-13.031	0.064	109.314	1.00	42.44
8470	CB	ASP	В	300	-13.962	-0.857	110.120	1.00	42.60
8471	CG	ASP		300	-14.521	-0.197	111.392	1.00	44.17
8472	OD1	ASP	В	300	-15.580	-0.658	111.884	1.00	45.87
8473	OD2	ASP		300	-13.981 -12.001	0.768	111.978 108.567	1.00	43.48
8474 8475	C	ASP		300 300	-12.163	-1.091	107.371	1.00	42.81
8476	N	ILE	В	301	-10.939	-1.161	107.371	1.00	42.82
8477	CA		В	301	-9.903	-2.013	108.719	1.00	43.40
8478	CB		В	301	-8.680	-1.170	108.719	1.00	43.40
8479	CG1	ILE		301	-9.016	-0.280	107.189	1.00	41.96
8480	CD1		В	301	-8.020	0.789	106.904	1.00	41.81
8481	CG2		В	301	-7.495	-2.049	108.043	1.00	43.20
8482	C		В	301	-9.642	-3.065	109.775	1.00	44.39
8483	ō	ILE	В	301	-9.149	-2.756	110.853	1.00	44.81
8484	N	CYS	В	302	-10.023	-4.303	109.488	1.00	45.55
8485	CA	CYS	В	302	-9.973	-5.363	110.497	1.00	46.76
8486	CB	CYS	В	302	-11.351	-6.028	110.644	1.00	46.70
8487	SG	CYS	В	302	-12.758	-4.879	110.687	1.00	49.41
8488	C	CYS	В	302	-8.911	-6.438	110.260	1.00	47.31
8489	0	CYS	В	302	-8.980	-7.221	109.299	1.00	47.48
8490	N		В	303	-7.934	-6.483	111.158	1.00	47.98
8491	CA	ASP		303	-6.888	-7.484	111.093	1.00	48.36
8492	CB	ASP		303	-5.607	-6.955	111.734	1.00	48.96
8493	CG		В	303	-4.750	-6.172	110.758	1.00	50.88
8494	OD1	ASP		303	-5.265	-5.232	110.121	1.00	53.09
8495	OD2		В	303	-3.543	-6.424	110.554	1.00	54.16
8496	C	ASP		303	-7.363	-8.755	111.786	1.00	48.00
8497	0	ASP		303	-8.117	-8.692	112.743	1.00	47.91
8498 8499	N CA	TYR		304	-6.950 -7.288	-9.908 -11.200	111.269 111.857	1.00	48.08
8500	CB	TYR		304	-7.167		110.794	1.00	47.82
8501	CG	TYR		304	-7.213	-12.283	111.340	1.00	45.86
8502	CD1	TYR		304	-8.400	-14.218	111.796	1.00	44.73
8503	CE1	TYR		304	-8.458	-15.489	112.298	1.00	44.26
8504	CZ	TYR		304	-7.317		112.356	1.00	43.75
8505	OH	TYR		304	-7.406	-17.528	112.858	1.00	45.04
8506	CE2	TYR		304		-15.757	111.916	1.00	43.24
8507	CD2	TYR		304		-14.463		1.00	44.57

FIGURE 3 FK

A	В	С	D	E	F	G	H	I	J
8508	С	TYR	B	304	-6 313	-11.488	113.012	1.00	48.33
8509	Ö	TYR		304		-11.027	112.975	1.00	47.62
8510	N	ASP		305	-6.753	-12.255	114.014	1.00	49.23
8511	CA	ASP		305	-5.940	-12.534	115.209	1.00	50.27
8512	CB	ASP		305	-6.649		116.498		50.05
8513	CG	ASP		305	-5.713		117.732	1.00	50.37
8514	OD1	ASP		305	-5.369	-13.129	118.279	1.00	49.56
8515	OD2	ASP		305	-5.288	-10.996	118.240	1.00	49.17
8516	C	ASP		305	-5.571	-13.996	115.331	1.00	51.26
8517	Ö	ASP		305	-6.420	-14.832	115.627	1.00	51.15
8518	N	GLU		306	-4.288	-14.281	115.108	1.00	52.94
8519	CA	GLU		306	-3.722	-15.619	115.228		54.25
8520	CB	GLU		306	-2.197	-15.522	115.380		54.85
8521	CG	GLU		306	-1.438	-15.115	114.130	1.00	56.89
8522	CD	GLU		306	-0.657	-16.271	113.543		59.93
8523	OE1	GLU		306	0.528	-16.072	113.180	1.00	61.01
8524	OE2	GLU		306	-1.227	-17.384	113.460	1.00	61.35
8525	C	GLU		306	-4.268	-16.341	116.447	1.00	54.31
8526	Ö	GLU		306	-4.751	-17.460	116.342	1.00	54.14
8527	N	SER		307	-4.182	-15.699	117.609	1.00	54.55
8528	CA	SER		307	-4.638	-16.342	118.842	1.00	54.92
8529	CB	SER		307	-3.919		120.090	1.00	54.93
8530	OG	SER		307	-3.686	-14.391	120.030	1.00	54.98
8531	C	SER		307	-6.155	-16.344	119.016	1.00	54.94
8532	0	SER		307	-6.747	-17.396	119.262	1.00	55.07
8533	N	SER		308	-6.787		118.896	1.00	55.09
8534	CA	SER		308	-8.242	-15.116	119.028	1.00	55.20
8535	CB	SER		308	-8.760	-13.703	118.753	1.00	55.20
8536	OG	SER		308	-8.050	-12.698	119.459	1.00	56.52
8537	C	SER		308	-8.907	-16.064	118.028	1.00	54.99
8538	Ö	SER		308	-9.639	-16.985	118.394	1.00	55.23
8539	N	GLY		309	-8.624	-15.839	116.752		54.51
8540	CA	GLY		309	-9.302	-16.561	115.692	1.00	53.83
8541	C	GLY		309	-10.396	-15.596	115.279	1.00	52.94
8542	0	GLY		309	-11.165	-15.839	114.348		53.23
8543	N	ARG		310		-14.481	116.001	1.00	51.75
8544	CA	ARG		310		-13.416	115.773	1.00	50.58
8545	CB	ARG		310	-11.784	-12.752	117.092	1.00	50.88
8546	CG	ARG		310	-12.907		117.792	1.00	54.09
8547	CD	ARG		310	-12.707	-13.443	119.270	1.00	59.77
8548	NE	ARG			-13.888	-14.230	119.270	1.00	64.94
8549	CZ	ARG		310 310	-14.863	-13.542	120.464	1.00	67.93
8550	NH1	ARG			-14.792	-12.215	120.464	1.00	68.66
8551				310 310	-14.792	-14.178			68.59
8552	NH2 C	ARG		310	-10.793	-14.178	120.985 114.899	1.00	48.86
8552 8553					-10.793	-12.367	114.899	1.00	48.86
	O N	ARG		310					
8554	N	TRP		311	-11.623		114.541	1.00	47.08
8555	CA	TRP		311	-11.215	-10.279	113.733	1.00	45.09
8556	CB	TRP		311		-10.231	112.477	1.00	44.10
8557	CG	TRP		311	-11.753		111.540	1.00	40.23
8558	CD1	TRP	В	311	-12.191	-12.618	111.588	1.00	37.52

FIGURE 3 FL

A	В	С	D	Е	F	G	Н	I	J
8559	NE1	TRP	В	311	-11.646	-13.342	110.554	1.00	35.32
8560	CE2	TRP		311	-10.842		109.815	1.00	34.42
8561	CD2	TRP		311	-10.883	-11.242	110.415	1.00	36.23
8562	CE3	TRP	В	311	-10.135	-10.212	109.847	1.00	35.26
8563	CZ3	TRP	В	311	-9.388	-10.477	108.730	1.00	35.47
8564	CH2	TRP	В	311	-9.371	-11.744	108.158	1.00	34.18
8565	CZ2	TRP	В	311	-10.092	-12.771	108.684	1.00	34.45
8566	C	TRP	В	311	-11.373	-9.005	114.551	1.00	44.85
8567	0	TRP	В	311	-12.338	-8.859	115.290	1.00	44.57
8568	N	ASN	В	312	-10.435	-8.083	114.409	1.00	44.33
8569	CA	ASN	В	312	-10.464	-6.862	115.187	1.00	44.71
8570	CB	ASN	В	312	-9.411	-6.911	116.303	1.00	44.96
8571	CG	ASN	В	312	-9.768	-7.883	117.398	1.00	44.98
8572	OD1	ASN	В	312	-10.562	-7.564	118.281	1.00	46.84
8573	ND2	ASN	В	312	-9.172	-9.072	117.361	1.00	43.43
8574	C	ASN	В	312	-10.179	-5.663	114.322	1.00	44.80
8575	0	ASN	В	312	-9.282	-5.690	113.496	1.00	44.20
8576	N	CYS	В	313	-10.933	-4.600	114.557	1.00	45.52
8577	CA	CYS	В	313	-10.814	-3.376	113.800	1.00	46.35
8578	CB	CYS	В	313	-12.188	-3.018	113.208	1.00	46.62
8579	SG	CYS	В	313	-13.193	-4.443	112.629	1.00	46.14
8580	C	CYS		313	-10.324		114.724	1.00	47.10
8581	0	CYS		313	-11.070	-1.801	115.576	1.00	47.66
8582	N	LEU		314	-9.078	-1.834	114.564	1.00	47.75
8583	CA	LEU		314	-8.548	-0.787	115.433	1.00	48.41
8584	CB	LEU		314	-7.026	-0.667	115.314	1.00	48.43
8585	CG		В	314	-6.124	-1.561	116.168	1.00	48.67
8586	CD1	LEU		314	-5.616	-2.768	115.399	1.00	50.57
8587	CD2	LEU		314	-6.808	-1.971	117.463	1.00	49.11
8588	C	LEU		314	-9.187	0.558	115.132	1.00	48.75
8589	0	LEU		314	-9.092	1.062	114.018	1.00	48.76
8590	N	VAL		315	-9.801	1.149	116.151	1.00	49.18
8591	CA	VAL		315	-10.499	2.421	116.018	1.00	49.37
8592	CB	VAL		315	-11.083	2.893	117.372	1.00	49.62
8593	CG1	VAL		315	-11.938	4.144	117.179	1.00	50.08
8594	CG2	VAL		315	-11.919	1.786	117.997	1.00	49.65
8595	C	VAL		315	-9.654	3.525	115.398	1.00	49.37
8596	0	VAL		315	-10.187	4.429	114.752	1.00	49.79
8597	N	ALA		316	-8.341	3.444	115.583	1.00	49.29
8598	CA	ALA		316	-7.413	4.427	115.030	1.00	48.81
8599	CB	ALA		316	-6.150	4.498	115.880	1.00	49.17
8600	C	ALA		316	-7.066	4.074	113.591 112.908	1.00	48.87
8601	0	ALA		316	-6.333	4.802 2.935	112.908	1.00	48.88
8602	N	ARG		317	-7.574			1.00	
8603 8604	CA CB	ARG		317	-7.394 -6.927	2.577 1.122	111.738 111.575	1.00	47.78 47.56
8605		ARG		317 317	-6.927 -5.690	0.780	111.575	1.00	47.78
8606	CG CD	ARG		317	-4.586	-0.009	111.677	1.00	47.78
8607	NE	ARG		317	-4.763	-1.451	111.784	1.00	47.32
8608	CZ	ARG		317	-3.766	-2.328	111.784	1.00	47.32
8609	NH1	ARG			-4.025		111.773		47.96
0009	TATAT	nnu	ъ	21/	-4.023	-3.02/	111.0/9	1.00	47.90

FIGURE 3 FM

A	В	C	D E	F	G	H	I	J
0.51.0				0.506				
8610	NH2	ARG		-2.506	-1.911		1.00	48.95
8611	C	ARG		-8.705	2.868	110.996	1.00	47.39
8612	0		B 317	-8.864	2.486	109.840	1.00	47.78
8613	N		B 318	-9.634	3.547	111.672		46.34
8614	CA		B 318	-10.901	3.950	111.065	1.00	45.47
8615	CB		B 318	-11.967	4.243	112.118	1.00	45.18
8616	CG	GLN :		-12.715	3.030		1.00	44.04
8617	CD	GLN :		-13.832	3.384	113.596	1.00	43.62
8618	OE1	GLN :		-14.374	2.495	114.270	1.00	43.11
8619	NE2		B 318	-14.172	4.679		1.00	41.17
8620	C		318	-10.729	5.197	110.232	1.00	45.42
8621	0		B 318	-10.027	6.119	110.625	1.00	45.28
8622	N	HIS		-11.380	5.234	109.075	1.00	45.21
8623	CA	HIS		-11.326	6.430	108.251	1.00	44.70
8624	CB	HIS:		-10.573	6.159	106.953	1.00	44.42
8625	CG	HIS		-9.144	5.768	107.164		44.37
8626	ND1	HIS		-8.777	4.603	107.805	1.00	43.47
8627	CE1	HIS:		-7.460	4.525	107.853	1.00	44.31
8628	NE2	HIS:		-6.958	5.602	107.271	1.00	44.70
8629	CD2	HIS:		-7.990	6.400	106.840	1.00	43.53
8630	C	HIS		-12.745	6.937	108.001	1.00	44.84
8631	0		B 319	-13.652	6.170	107.666	1.00	44.74
8632	N	ILE :		-12.939	8.232	108.195	1.00	44.88
8633	CA	ILE :		-14.245	8.819	108.005	1.00	44.83
8634	CB	ILE :		-14.574	9.781	109.152	1.00	45.25
8635	CG1	ILE :		-14.665	9.023	110.477		45.63
8636	CD1	ILE :		-14.781	9.948	111.666	1.00	48.51
8637	CG2	ILE :		-15.872	10.531	108.868	1.00	44.08
8638	C	ILE :		-14.273	9.566	106.699	1.00	44.62
8639	0	ILE :		-13.342	10.288	106.375	1.00	44.36
8640	N	GLU :		-15.338	9.357	105.936	1.00	44.42
8641	CA	GLU :		-15.548	10.101	104.704	1.00	44.18
8642	CB	GLU :		-15.402	9.201	103.472	1.00	44.12
8643	CG	GLU :	B 321	-15.275	9.966	102.163	1.00	
8644	CD	GLU :		-15.257	9.052	100.951	1.00	43.57
8645	OE1	GLU :	B 321	-14.829	7.884	101.090	1.00	43.88
8646	OE2	GLU :	B 321	-15.670	9.502	99.857	1.00	43.47
8647	С	GLU :	B 321	-16.945	10.714	104.786	1.00	44.02
8648	0	GLU :	B 321	-17.956	10.000	104.813	1.00	44.24
8649	N	MET :	B 322	-16.971	12.043	104.825	1.00	43.51
8650	CA	MET :	B 322	-18.170	12.840	105.001	1.00	42.63
8651	CB	MET :	B 322	-17.965	13.755	106.206	1.00	43.28
8652	CG	MET :	B 322	-18.418	13.265	107.548	1.00	45.74
8653	SD	MET :	B 322	-17.791	14.488	108.767	1.00	52.31
8654	CE	MET :	B 322	-17.696	15.985	107.722	1.00	51.74
8655	C	MET	B 322	-18.349	13.779	103.829	1.00	41.53
8656	0	MET	B 322	-17.427	14.007	103.064	1.00	41.26
8657	N	SER :	B 323	-19.533	14.368	103.729	1.00	40.61
8658	CA	SER :	B 323	-19.809	15.388	102.728	1.00	40.06
8659	CB	SER	B 323	-20.495	14.804	101.495	1.00	39.82
8660	OG	SER	в 323	-20.860	15.850	100.604		39.09

FIGURE 3 FN

A	В	C	D	Е		F		G	Н		I	J
8661	С	SER	R	323	_	20.73	n.	16.421	103.3	350	1.00	39.95
8662	Ö	SER		323		21.64		16.074	104.0		1.00	39.28
8663	N	THR		324		20.49		17.690	103.0		1.00	40.39
8664	CA	THR		324		21.36		18.719	103.6		1.00	40.95
8665	CB	THR		324		20.55		19.794	104.3		1.00	41.44
8666	OG1	THR		324		19.53		20.339	103.5		1.00	43.72
8667	CG2	THR		324		19.75		19.151	105.5		1.00	41.41
8668	C	THR		324		22.20		19.344	102.5		1.00	40.11
8669	ŏ	THR		324		23.16		20.032	102.8		1.00	40.55
8670	N	THR		325		21.83		19.094	101.2		1.00	39.33
8671	CA	THR		325		22.58		19.587	100.		1.00	38.58
8672	CB	THR		325		21.63		19.908	98.5		1.00	38.55
8673	OG1	THR		325		20.67		18.849	98.8		1.00	38.96
8674	CG2	THR		325		20.77		21.122	99.3		1.00	40.01
8675	C	THR		325		23.63		18.578	99.6		1.00	37.87
8676	0	THR	В	325	_	24.49	96	18.934	98.8	359	1.00	38.08
8677	N	GLY		326		23.53		17.321	100.0		1.00	37.04
8678	CA	GLY	В	326	-	24.43	0	16.294	99.5	578	1.00	35.41
8679	C	GLY	В	326	-	24.14	15	14.931	100.3	169	1.00	34.41
8680	0	GLY	В	326	_	23.90	8	14.818	101.3	362	1.00	34.80
8681	N	TRP	В	327	_	24.19	0	13.890	99.3	339	1.00	33.13
8682	CA	TRP	В	327	-	23.97	3	12.527	99.8	303	1.00	31.83
8683	CB	TRP	В	327	-	24.90	16	11.567	99.0	049	1.00	31.57
8684	CG	TRP	В	327	-	24.66	1	11.606	97.5	556	1.00	29.42
8685	CD1	TRP	В	327	-	23.87	9	10.756	96.8	340	1.00	27.20
8686	NE1	TRP	В	327	-	23.84	16	11.133	95.5	523	1.00	26.93
8687	CE2	TRP	В	327	-	24.62	6	12.246	95.3	361	1.00	27.08
8688	CD2	TRP	В	327	-	25.14	16	12.579	96.6	527	1.00	27.38
8689	CE3	TRP	В	327	-	25.99	1	13.693	96.	729	1.00	27.46
8690	CZ3	TRP	В	327	-	26.27	3	14.432	95.5	588	1.00	23.17
8691	CH2	TRP	В	327	-	25.72	8	14.078	94.3	347	1.00	26.08
8692	CZ2	TRP	В	327	-	24.91	.5	12.985	94.2	209	1.00	26.03
8693	C	TRP	В	327	-	22.50)5	12.175	99.5	551	1.00	31.86
8694	0	TRP	В	327	-	21.75	8	12.966	98.5	982	1.00	31.37
8695	N	VAL		328		22.07		10.995	99.5		1.00	32.34
8696	CA	VAL	В	328	-	20.68	34	10.613	99.	737	1.00	32.69
8697	CB	VAL	В	328	-	20.00	8	10.076	101.0	002	1.00	32.65
8698	CG1	VAL		328		20.96		9.213	101.		1.00	34.01
8699	CG2	VAL		328		18.74		9.308	100.6		1.00	32.32
8700	C	VAL		328		20.55		9.605	98.5		1.00	32.55
8701	0		В	328		21.28		8.627	98.5		1.00	32.19
8702	N	GLY		329		19.60		9.859	97.		1.00	32.82
8703	CA	GLY		329		19.33		9.004	96.5		1.00	33.09
8704	C		В	329		20.21		9.452	95.4		1.00	33.00
8705	0	GLY		329		21.12		10.267	95.0		1.00	33.18
8706	N		В	330		19.91		8.952	94.2		1.00	32.66
8707	CA	ARG		330		20.74		9.287	93.		1.00	32.38
8708	CB	ARG		330		20.03		8.938	91.8		1.00	32.77
8709	CG	ARG		330		18.97		9.987	91.4		1.00	34.36
8710	CD	ARG		330		18.41		9.943	90.0		1.00	34.91
8711	NE	ARG	В	330	-	17.19	0	9.165	90.	101	1.00	37.09

FIGURE 3 FO

A	В	C	D	E	F	G	H	I	J
8712	CZ	ARG	В	330	-16.013	9.583	89.674	1.00	36.34
8713	NH1	ARG	В	330	-15.001	8.751	89.760	1.00	39.45
8714	NH2	ARG	В	330	-15.844	10.792	89.147	1.00	34.94
8715	С	ARG		330	-22.103	8.612	93.302	1.00	31.87
8716	0	ARG	В	330	-23.128	9.229	93.100	1.00	32.19
8717	N	PHE	В	331	-22.105	7.364	93.746	1.00	31.31
8718	CA	PHE	В	331	-23.333	6.687	94.119	1.00	31.39
8719	CB	PHE	В	331	-23.792	5.693	93.043	1.00	30.66
8720	CG	PHE	В	331	-24.187	6.347	91.758	1.00	28.41
8721	CD1	PHE	В	331	-25.503	6.715	91.530	1.00	26.38
8722	CE1	PHE	В	331	-25.873	7.333	90.339	1.00	27.31
8723	CZ	PHE	В	331	-24.910	7.608	89.371	1.00	25.31
8724	CE2			331	-23.600	7.260	89.598	1.00	27.02
8725	CD2			331	-23.238	6.631	90.790	1.00	26.92
8726	C			331	-23.120	5.997	95.461	1.00	32.56
8727	0			331	-24.067	5.720	96.193	1.00	33.56
8728	N	ARG		332	-21.865	5.712	95.782	1.00	33.38
8729	CA	ARG		332	-21.520	5.072	97.044	1.00	33.89
8730	CB	ARG		332	-21.739	3.555	96.970	1.00	34.01
8731	CG	ARG		332	-20.838	2.816	95.989	1.00	34.01
8732	CD			332	-21.325	1.427	95.626	1.00	36.66
8733	NE	ARG		332	-22.754	1.443	95.271	1.00	39.82
8734	CZ	ARG		332	-23.231	1.668	94.046	1.00	39.18
8735	NH1	ARG		332	-22.403	1.884	93.028	1.00	37.21
8736	NH2	ARG		332	-24.542	1.682	93.841	1.00	39.54
8737	C	ARG		332	-20.067	5.368	97.324	1.00	34.48
8738	0	ARG		332	-19.296	5.630	96.401	1.00	34.41
8739	N	PRO PRO		333	-19.684	5.348 5.587	98.595	1.00	35.25 35.46
8740 8741	CA CB	PRO		333	-18.285 -18.184	5.045	98.952 100.382	1.00	35.54
8742	CG	PRO		333	-19.574	5.147	100.382	1.00	36.38
8743	CD	PRO		333	-20.542	5.116	99.772	1.00	35.16
8744	C	PRO		333	-17.409	4.763	98.033	1.00	35.43
8745	0	PRO		333	-17.645	3.585	97.878	1.00	36.30
8746	N	SER		334	-16.399	5.360	97.435	1.00	35.72
8747	CA	SER		334	-15.526	4.607	96.552	1.00	36.00
8748	CB	SER		334	-14.561	5.533	95.844	1.00	36.20
8749	OG	SER		334	-14.557	5.196	94.469	1.00	38.91
8750	C	SER		334	-14.749	3.472	97.217	1.00	35.87
8751	ō	SER		334	-14.614	3.403	98.458	1.00	35.58
8752	N	GLU		335	-14.227	2.587	96.373	1.00	35.21
8753	CA	GLU	В	335	-13.488	1.443	96.862	1.00	34.87
8754	CB	GLU	В	335	-13.756	0.208	96.003	1.00	35.20
8755	CG	GLU	В	335	-12.934	0.113	94.729	1.00	36.16
8756	CD	GLU	В	335	-13.390	1.083	93.659	1.00	39.30
8757	OE1	GLU		335	-14.592	1.443	93.662	1.00	41.87
8758	OE2	GLU	В	335	-12.550	1.484	92.810	1.00	39.58
8759	C			335	-11.989	1.760	96.926	1.00	34.43
8760	0			335	-11.448	2.475	96.078	1.00	33.63
8761	N	PRO		336	-11.334	1.232	97.951	1.00	34.00
8762	CA	PRO	В	336	-9.905	1.450	98.140	1.00	34.58

FIGURE 3 FP

A	В	C	D	Е		F		G	H	I		Ι	J
8763	СВ	PRO	В	336	-9	9.767		.320	99.	651	1	.00	34.64
8764	CG	PRO	В	336	-10	0.730		.199	99.	975	1	.00	34.28
8765	CD	PRO		336		1.901		390		021		.00	33.04
8766	C	PRO		336		9.079		364		449		.00	35.06
8767	0	PRO		336		9.509		787		352		.00	34.53
8768	N	HIS		337		7.907		758		970		.00	35.64
8769	CA	HIS		337		5.964).148		345		.00	36.77
8770	CB	HIS		337		5.699		280		915		.00	36.73
8771	CG	HIS		337		7.931		.289		073		.00	39.21
8772	ND1	HIS		337		3.265		7.754		238		.00	41.51
8773	CE1	HIS		337		9.405		.477		629		.00	41.54
8774	NE2	HIS		337		9.830		0.699		054		.00	41.98
8775	CD2	HIS		337		3.926		1.201		957		.00	40.47
8776	C					5.678		1.201		169		.00	36.72
8777	0	HIS		337		1.917		7.177		208		.00	36.00
8778 8779	N		В	338		5.460		.301		822		.00	37.60
	CA		В	338		1.348		1.477		735		.00	38.65
8780	CB	PHE		338		1.719		2.573		715		.00	38.15
8781	CG		В	338		756		2.160	100.			.00	38.45
8782	CD1		В	338		7.101		.326	100.			.00	38.31
8783	CE1		В	338		3.057		.942	101.			.00	36.65
8784	CZ		В	338		7.685		.381	102.			.00	36.84
8785	CE2	PHE		338		5.346		1.206	102.			.00	37.23
8786	CD2		В	338		5.394		1.598	101.			.00	38.29
8787	С	PHE		338		3.016		.826		880		.00	39.48
8788	0	PHE		338		2.961		2.497		063		.00	40.08
8789	N	THR		339		1.936		1.363		704		.00	40.67
8790	CA	THR		339		0.603		1.718		258		.00	41.39
8791	CB	THR		339		0.438		.866		951		.00	41.43
8792	OG1	THR		339		0.165		.881	100.			.00	41.21
8793	CG2	THR		339		302		.588		559		.00	40.00
8794	С	THR		339		.422		3.128		744		.00	42.42
8795	0	THR		339		1.115		3.563		659			42.69
8796	N	LEU	В	340	(0.531		3.831	98.	156	1	.00	43.57
8797	CA	LEU	В	340		808.0		.214		528		.00	44.63
8798	CB	LEU		340		2.094		.680		841		.00	44.77
8799	CG	LEU	В	340	- 2	2.175	-'	7.175	97.	554	1	.00	45.78
8800	CD1	LEU	В	340	(0.971		7.604	96.	719	1	.00	45.59
8801	CD2	LEU	В	340	- 2	2.274		7.983	98.	841	1	.00	46.02
8802	C	LEU	В	340	(0.906	-5	.461	100.	041		.00	44.89
8803	0	LEU	В	340	(349	- (5.434	100.	547	1	.00	44.86
8804	N	ASP	В	341		1.625	- 4	1.612	100.	769	1	.00	45.45
8805	CA	ASP	В	341		1.764	- 4	1.846	102.	213	1	.00	46.18
8806	CB	ASP		341		2.986		1.126	102.				46.25
8807	CG	ASP	В	341	2	2.823	-2	2.616	102.	818	1	.00	47.91
8808	OD1	ASP	В	341		3.832	- 1	.924	103.	116	1	.00	47.25
8809	OD2	ASP	В	341		1.738	-2	2.033	102.	562	1	.00	48.84
8810	С	ASP	В	341	(0.495	- 4	1.530	103.	026	1	.00	46.03
8811	0	ASP	В	341	(.415		1.827	104.	221	1	.00	46.41
8812	N	GLY	В	342	-(.488	-3	3.919	102.	379	1	.00	45.84
8813	CA	GLY	В	342	-:	1.758	-(3.626	103.	021	1	.00	45.65

FIGURE 3 FQ

A	В	C D	Е	\mathbf{F}	G	Н	I	J
8814	С	GLY B	342	-1.731	-2.603	104.143	1.00	45.30
8815	ō	GLY B		-2.662	-2.529	104.947		45.37
8816	N	ASN B		-0.676	-1.807	104.219	1.00	44.73
8817	CA	ASN B	343	-0.629	-0.800	105.271	1.00	44.46
8818	CB	ASN B	343	0.774	-0.661	105.862	1.00	44.15
8819	CG	ASN B	343	1.336	-1.968	106.356	1.00	44.36
8820	OD1	ASN B	343	0.704	-2.684	107.138	1.00	44.47
8821	ND2	ASN B	343	2.548	-2.285	105.911	1.00	44.77
8822	С	ASN B	343	-1.054	0.523	104.675	1.00	44.12
8823	0	ASN B	343	-1.257	1.507	105.381	1.00	43.99
8824	N	SER B	344	-1.184	0.534	103.358	1.00	43.76
8825	CA	SER B	344	-1.531	1.752	102.652	1.00	43.78
8826	CB	SER B		-0.274	2.306	102.002	1.00	43.62
8827	OG	SER B		-0.444	3.664	101.675	1.00	45.00
8828	C	SER B		-2.609	1.496	101.588	1.00	43.53
8829	0	SER B		-2.904	0.334	101.262	1.00	43.57
8830	N	PHE B		-3.204	2.564	101.051	1.00	43.02
8831	CA	PHE B		-4.193	2.404	99.982	1.00	42.73
8832	CB	PHE B		-5.463	1.708	100.477	1.00	42.42
8833	CG	PHE B		-6.288	2.536	101.424	1.00	42.37
8834	CD1	PHE B		-7.127	3.534	100.950	1.00	40.54
8835	CE1	PHE B		-7.890	4.283	101.808	1.00	39.15
8836 8837	CZ CE2	PHE B		-7.834 -7.009	4.047 3.041	103.150 103.647	1.00	39.99
8838	CD2	PHE B		-6.247	2.294	103.647	1.00	40.96
8839	C	PHE B		-4.560	3.670	99.229	1.00	42.73
8840	0	PHE B		-4.367	4.784	99.718	1.00	42.73
8841	N	TYR B		-5.094	3.475	98.028	1.00	42.41
8842	CA	TYR B		-5.538	4.575	97.186	1.00	42.60
8843	CB	TYR B		-4.828	4.545	95.832	1.00	42.55
8844	CG	TYR B		-3.336	4.654	95.945	1.00	42.22
8845	CD1	TYR B		-2.692	5.861	95.724	1.00	41.32
8846	CE1	TYR B		-1.325	5.965	95.832	1.00	42.58
8847	CZ	TYR B	346	-0.579	4.854	96.173	1.00	42.02
8848	OH	TYR B	346	0.789	4.953	96.290	1.00	42.68
8849	CE2	TYR B	346	-1.196	3.651	96.411	1.00	42.43
8850	CD2	TYR B	346	-2.570	3.557	96.293	1.00	43.21
8851	C	TYR B	346	-7.030	4.478	96.968	1.00	42.36
8852	0	TYR B	346	-7.555	3.384	96.723	1.00	42.86
8853	N	LYS B	347	-7.716	5.610	97.088	1.00	42.04
8854	CA	LYS B		-9.150	5.665	96.822	1.00	41.82
8855	CB	LYS B		-9.987	5.164	98.006	1.00	42.17
8856	CG	LYS B		-10.372	6.206	99.028	1.00	43.16
8857	CD	LYS B		-11.873	6.369	99.137	1.00	43.24
8858	CE	LYS B		-12.459	5.513	100.242	1.00	41.92
8859	NZ	LYS B		-13.922	5.833	100.429	1.00	41.44
8860	C	LYS B		-9.550	7.062	96.421	1.00	41.46
8861	0	LYS B		-9.000	8.045	96.922	1.00	41.71
8862	N	ILE B		-10.490	7.130	95.482	1.00	40.49
8863	CA	ILE B		-11.010	8.373	94.970	1.00	39.65
8864	CB	ILE B	348	-11.719	8.109	93.658	1.00	39.99

FIGURE 3 FR

A	В	C I) E	F	G	Н	I	J
8865	CG1	ILE E	348	-10.751	7.503	92.647	1.00	40.33
8866	CD1	ILE E	348	-11.423	7.141	91.328	1.00	42.02
8867	CG2	ILE E	348	-12.336	9.373	93.106	1.00	40.21
8868	C	ILE E		-11.974	8.990	95.977	1.00	39.56
8869	0	ILE E		-12.813	8.294	96.551	1.00	39.35
8870	N	ILE E		-11.795	10.286	96.219	1.00	39.00
8871	CA	ILE E		-12.626	11.081	97.108	1.00	39.16
8872	CB	ILE E		-12.082	11.126	98.552	1.00	39.04
8873	CG1	ILE E		-10.612	11.520	98.585	1.00	39.64
8874 8875	CD1 CG2	ILE E		-10.139 -12.281	11.936 9.819	99.982 99.263	1.00	39.54
8876	C	ILE E		-12.201	12.488	96.547	1.00	39.03
8877	0	ILE E		-11.775	12.466	95.746	1.00	39.19
8878	N	SER E		-13.617	13.293	96.938	1.00	39.08
8879	CA	SER E		-13.647	14.653	96.434	1.00	39.74
8880	CB	SER E		-15.039	15.257	96.516	1.00	39.37
8881	OG	SER E		-15.721	14.721	97.617	1.00	40.57
8882	C	SER E		-12.652	15.487	97.206	1.00	40.13
8883	0	SER E	350	-12.518	15.327	98.421	1.00	39.82
8884	N	ASN E	351	-11.956	16.363	96.487	1.00	40.90
8885	CA	ASN E	351	-10.946	17.212	97.094	1.00	42.48
8886	CB	ASN E		-9.810	17.506	96.111	1.00	41.86
8887	CG	ASN E		-10.220	18.438	95.019	1.00	40.95
8888	OD1	ASN E		-11.304	19.019	95.058	1.00	40.08
8889	ND2	ASN E		-9.352	18.598	94.024	1.00	40.40
8890	C	ASN E		-11.525	18.503	97.656	1.00	43.74
8891	0	ASN E		-12.732	18.743	97.573	1.00	44.49
8892	N	GLU E		-10.650	19.325	98.227	1.00	45.07
8893 8894	CA CB	GLU E		-11.040 -9.803	20.589	98.853 99.160	1.00	46.08
8895	CG	GLU E		-8.980	21.431	97.933	1.00	48.13
8896	CD	GLU E		-8.169	20.681	97.364	1.00	50.83
8897	OE1	GLU E		-7.816	20.729	96.157	1.00	50.33
8898	OE2	GLU E		-7.884	19.713	98.125	1.00	51.22
8899	C	GLU E		-12.017	21.378	97.999	1.00	46.10
8900	0	GLU E	352	-12.918	22.038	98.517	1.00	46.29
8901	N	GLU E	353	-11.847	21.307	96.686	1.00	46.18
8902	CA	GLU E	353	-12.728	22.052	95.808	1.00	46.03
8903	CB	GLU E		-11.936	22.862	94.784	1.00	46.58
8904	CG	GLU E		-10.661	22.220	94.278	1.00	49.12
8905	CD	GLU E		-10.141	22.953	93.063	1.00	53.08
8906	OE1	GLU E		-10.498	24.144	92.921	1.00	54.96
8907	OE2	GLU E		-9.408	22.346	92.241	1.00	55.30
8908	C	GLU E		-13.824	21.223	95.132	1.00	45.23
8909	O N	GLU E		-14.458 -14.048	21.690	94.186 95.609	1.00	45.19
8910 8911	CA	GLY E		-14.048	19.210	95.609	1.00	44.03
8912	CA	GLY E		-14.896	18.382	93.857	1.00	42.61
8913	Ö	GLY E		-15.818	17.772	93.292	1.00	41.34
8914	N	TYR E		-13.647	18.366	93.407	1.00	40.95
8915	CA	TYR E		-13.290	17.519	92.280		39.61

FIGURE 3 FS

A	В	C D	E	F	G	Н	I	J
8916	CB	TYR E		-12.291	18.191	91.363	1.00	39.28
8917	CG	TYR E		-12.919	19.335	90.611	1.00	38.85
8918	CD1	TYR E		-12.950	20.610	91.156	1.00	38.45
8919	CE1	TYR E		-13.539	21.664	90.483	1.00	37.46
8920	CZ	TYR E		-14.109	21.448	89.248	1.00	37.71
8921	OH	TYR E		-14.690	22.508	88.578	1.00	35.87
8922 8923	CE2 CD2	TYR E		-14.103 -13.517	20.178 19.135	88.689 89.375	1.00	37.54
8924	C D2	TYR E		-12.795	16.207	92.830	1.00	38.85
8925	Ö	TYR E		-12.795	16.172	93.859	1.00	38.81
8926	N	ARG E		-13.195	15.119	92.183	1.00	37.98
8927	CA	ARG E		-12.839	13.791	92.672	1.00	36.90
8928	CB	ARG E		-13.934	12.771	92.344	1.00	36.89
8929	CG	ARG E		-15.072	12.844	93.340	1.00	36.55
8930	CD	ARG E		-16.371	12.194	92.916	1.00	35.78
8931	NE	ARG E	356	-17.475	12.940	93.499	1.00	37.53
8932	CZ	ARG E	356	-17.933	12.767	94.735	1.00	37.72
8933	NH1	ARG E	356	-17.421	11.829	95.514	1.00	36.53
8934	NH2	ARG E	356	-18.924	13.530	95.186	1.00	38.36
8935	C	ARG E	356	-11.477	13.346	92.182	1.00	35.86
8936	0	ARG E		-11.201	13.308	90.989	1.00	35.34
8937	N	HIS E		-10.622	13.013	93.129	1.00	35.61
8938	CA	HIS E		-9.268	12.639	92.797	1.00	35.35
8939	CB	HIS B		-8.361	13.854	92.922	1.00	34.69
8940	CG	HIS E		-8.491	14.797	91.777	1.00	31.97
8941 8942	ND1 CE1	HIS E		-7.876 -8.186	14.577 15.552	90.569 89.734	1.00	29.99
8943	NE2	HIS E		-8.992	16.392	90.357	1.00	30.84
8944	CD2	HIS E		-9.207	15.936	91.635	1.00	31.68
8945	C	HIS E		-8.772	11.511	93.666	1.00	36.43
8946	ŏ	HIS E		-9.428	11.110	94.634	1.00	35.70
8947	N	ILE B		-7.602	11.000	93.307	1.00	37.92
8948	CA	ILE B		-7.014	9.897	94.041	1.00	39.58
8949	CB	ILE B	358	-6.043	9.143	93.142	1.00	39.62
8950	CG1	ILE B	358	-6.726	8.773	91.823	1.00	39.16
8951	CD1	ILE E	358	-5.780	8.118	90.858	1.00	40.18
8952	CG2	ILE E	358	-5.518	7.925	93.865	1.00	38.65
8953	C	ILE E		-6.285	10.376	95.284	1.00	40.60
8954	0	ILE E		-5.345	11.143	95.200	1.00	40.23
8955	N	CYS E		-6.728	9.911	96.440	1.00	42.66
8956	CA	CYS E		-6.073	10.277	97.677	1.00	44.79
8957	CB	CYS E		-7.078	10.791	98.712	1.00	44.98
8958	SG	CYS E		-6.425	12.181	99.684	1.00	50.06
8959	C	CYS E		-5.301	9.070	98.201	1.00	45.23
8960	0	CYS E		-5.806	7.945	98.200	1.00	44.97
8961 8962	N CA	TYR E		-4.068 -3.203	9.313 8.253	98.633 99.133	1.00	45.97 46.80
8963	CB	TYR E		-1.767	8.506	98.666	1.00	47.14
8964	CG	TYR E		-0.755	7.530	99.201	1.00	48.65
8965	CD1	TYR E		0.432	7.978	99.778	1.00	50.02
8966	CE1	TYR E		1.363	7.089			50.74

FIGURE 3 FT

A	В	С	D	E		F	G	H	I	J
8967	CZ	TYR	R	360	1	.109	5.737	100.199	1.00	50.96
8968	OH	TYR		360		.029	4.836	100.683	1.00	52.69
8969	CE2	TYR		360		.059	5.273	99.629	1.00	50.11
8970	CD2	TYR		360		.981	6.166	99.138	1.00	48.61
8971	C	TYR		360		.308	8.163	100.652	1.00	47.03
8972	0	TYR		360		.100	9.141	101.356	1.00	47.17
8973	N	PHE	В	361		.662	6.990	101.157	1.00	47.69
8974	CA	PHE	В	361		.859	6.826	102.586	1.00	48.63
8975	CB	PHE	В	361		.237	6.219	102.892	1.00	48.62
8976	CG	PHE	В	361	-6	.400	7.123	102.573	1.00	49.54
8977	CD1	PHE	В	361	-7	.191	7.635	103.592	1.00	49.80
8978	CE1	PHE	В	361	-8	.276	8.459	103.306	1.00	50.81
8979	CZ	PHE	В	361	-8	.580	8.775	101.993	1.00	50.87
8980	CE2	PHE	В	361	-7	.799	8.264	100.965	1.00	50.72
8981	CD2	PHE	В	361	-6	.719	7.439	101.259	1.00	49.46
8982	C	PHE	В	361	-2	.836	5.907	103.210	1.00	49.27
8983	0	PHE	В	361	-2	.396	4.934	102.607	1.00	48.69
8984	N	GLN	В	362	-2	.490	6.222	104.448	1.00	50.41
8985	CA	GLN	В	362		.643	5.375	105.249	1.00	51.46
8986	CB	GLN	В	362	-0	.577	6.206	105.952	1.00	51.57
8987	CG	GLN		362		.828	5.671	105.793	1.00	54.18
8988	CD	GLN		362		.518	6.183	104.530	1.00	56.47
8989	OE1	GLN		362		.745	6.357	104.512	1.00	57.84
8990	NE2	GLN	В	362		.740	6.420	103.478	1.00	54.93
8991	С	GLN		362		.634	4.828	106.247	1.00	51.84
8992	0	GLN		362		.385	5.587	106.855	1.00	51.72
8993	N	ILE	В	363		.656	3.515	106.408	1.00	52.75
8994	CA		В	363		.628	2.874	107.281	1.00	53.94
8995	CB	ILE	В	363		.340	1.358	107.355	1.00	53.90
8996	CG1	ILE	В	363		.581	0.564	106.966	1.00	54.08
8997	CD1	ILE	В	363		.854	0.624	105.495	1.00	53.92
8998	CG2		В	363		.799	0.943	108.702	1.00	53.69
8999	C		В	363		.723	3.488	108.684	1.00	55.21
9000	0	ILE	В	363 364		.779	3.426	109.317	1.00	55.01
9001 9002	N CA	ASP	В	364		.626	4.094 4.663	109.151 110.502	1.00	56.58 57.94
9002	CB	ASP		364		.217	4.003	111.183	1.00	58.15
9003	CG	ASP	В	364		.056	2.813	111.450	1.00	59.41
9005	OD1	ASP	В	364		.482	2.339	112.531	1.00	60.00
9006	OD2	ASP	В	364		.506	2.032	110.642	1.00	60.28
9007	C	ASP	В	364		.755	6.178	110.550	1.00	58.51
9008	Ö	ASP	В	364		.919	6.744	111.631		58.72
9009	N	LYS	В	365		.724	6.840	109.394	1.00	59.16
9010	CA	LYS	В	365		.862	8.299	109.349	1.00	59.70
9011	CB	LYS	В	365		.759	8.913	108.487	1.00	59.92
9012	CG	LYS	В	365		.397	9.007	109.174	1.00	62.07
9013	CD	LYS		365		.328	10.203	110.136	1.00	64.42
9014	CE	LYS	В	365		.943	10.173	110.991	1.00	65.81
9015	NZ	LYS	В	365		.022	11.341	111.931	1.00	66.10
9016	С	LYS	В	365		.228	8.788	108.854	1.00	59.90
9017	0	LYS	В	365		.772	8.291	107.858		59.90

FIGURE 3 FU

A	В	С	D	Е	F	G	Н	I	J
9018	N	LYS	В	366	-4.769	9.783	109.545	1.00	59.96
9019	CA	LYS	В	366	-6.048	10.358	109.164		59.95
9020	CB	LYS	В	366	-6.607	11.213	110.303	1.00	60.59
9021	CG	LYS	В	366	-7.629	12.266	109.865	1.00	62.10
9022	CD	LYS	В	366	-6.953	13.597	109.519	1.00	64.53
9023	CE	LYS	В	366	-6.364	14.256	110.756	1.00	65.27
9024	NZ	LYS	В	366	-5.765	15.580	110.433	1.00	66.91
9025	C	LYS	В	366	-5.900	11.200	107.910	1.00	59.37
9026	0	LYS	В	366	-6.807	11.275	107.080	1.00	59.74
9027	N	ASP		367	-4.752	11.842	107.770	1.00	58.44
9028	CA	ASP	В	367	-4.535	12.692	106.614	1.00	57.48
9029	CB	ASP	В	367	-3.555	13.824	106.935	1.00	58.05
9030	CG	ASP	В	367	-4.231	15.009	107.618	1.00	59.15
9031	OD1		В	367	-3.784	15.393	108.727	1.00	59.86
9032	OD2	ASP		367	-5.209	15.616	107.118	1.00	59.70
9033	C	ASP	В	367	-4.061	11.898	105.400	1.00	56.40
9034	0	ASP		367	-3.011	11.244	105.423	1.00	56.27
9035	N	CYS	В	368	-4.863	11.943	104.345	1.00	54.53
9036	CA	CYS	В	368	-4.486 -5.716	11.319 10.731	103.103	1.00	52.77
9037 9038	CB SG	CYS	В	368 368	-6.823	11.959	102.402	1.00	52.82 51.25
	C	CYS	В		-8.823	12.434	101.664	1.00	
9039 9040	0	CYS		368 368	-4.100	13.609	102.266	1.00	51.66 51.26
9041	N	THR		369	-3.137	12.074	101.241	1.00	50.24
9042	CA	THR		369	-2.620	13.074	100.325	1.00	49.06
9043	CB	THR		369	-1.098	13.303	100.525	1.00	49.33
9044	OG1	THR		369	-0.448	13.415	99.240	1.00	48.47
9045	CG2	THR		369	-0.447	12.091	101.165	1.00	49.87
9046	C		В	369	-3.000	12.708	98.894	1.00	48.47
9047	ŏ	THR		369	-3.044	11.532	98.524	1.00	48.29
9048	N	PHE	В	370	-3.300	13.733	98.109	1.00	47.18
9049	CA	PHE	В	370	-3.771	13.572	96.754	1.00	46.08
9050	CB	PHE	В	370	-4.613	14.792	96.362	1.00	46.44
9051	CG	PHE	В	370	-5.991	14.800	96.976	1.00	47.55
9052	CD1	PHE	В	370	-7.072	14.236	96.298	1.00	48.39
9053	CE1	PHE	В	370	-8.344	14.241	96.860	1.00	49.07
9054	CZ	PHE	В	370	-8.538	14.810	98.115	1.00	49.41
9055	CE2	PHE	В	370	-7.465	15.375	98.792	1.00	47.58
9056	CD2	PHE	В	370	-6.207	15.364	98.225	1.00	46.62
9057	C	PHE	В	370	-2.639	13.430	95.769	1.00	45.28
9058	0	PHE	В	370	-1.699	14.227	95.770	1.00	45.61
9059	N	ILE	В	371	-2.733	12.440	94.895	1.00	43.59
9060	CA	ILE	В	371	-1.695	12.272	93.893	1.00	41.93
9061	CB	ILE	В	371	-1.279	10.801	93.805	1.00	42.22
9062	CG1		В	371	-2.310 -1.929	9.971	93.032 92.932	1.00	42.14
9063 9064	CD1 CG2	ILE	В	371 371	-1.929	8.470 10.253	92.932	1.00	39.82
9065	C	ILE	В	371	-2.106	12.876	92.553	1.00	40.79
9065	0		В	371	-1.269	13.061	91.657	1.00	40.92
9067	N	THR		372	-3.398	13.202	92.443	1.00	39.48
9068	CA	THR		372	-3.965	13.860	91.264		38.02
2000	0/1	1111	_	312	5.505	13.000	J1.209	1.00	50.02

FIGURE 3 FV

A	В	C	D	E	F		G	H	I	J
	-		_	0.77.0	4 0					
9069	CB	THR		372	-4.93			90.508	1.00	38.39
9070	OG1	THR		372	-6.0			91.356	1.00	35.81
9071	CG2	THR		372	-4.2			90.227	1.00	36.59
9072	С	THR		372	-4.7			91.706	1.00	37.61
9073	0	THR		372	-5.22			92.834	1.00	37.09
9074	N	LYS		373	-4.93		030	90.799	1.00	37.10
9075	CA		В	373	-5.63		252	91.137	1.00	37.18
9076	CB	LYS		373	-4.72		190	91.964	1.00	37.58
9077	CG		В	373	-3.9		181	91.082	1.00	39.33
9078	CD	LYS		373	-3.30		349	91.870	1.00	43.81
9079	CE	LYS		373	-1.80		142	92.085	1.00	45.57
9080	NZ	LYS		373	-1.13			92.530	1.00	48.26
9081	С	LYS		373	-5.98			89.852	1.00	36.51
9082	0		В	373	-5.43			88.805	1.00	35.99
9083	N	GLY		374	-6.88			89.949	1.00	36.28
9084	CA	GLY		374	-7.29			88.88	1.00	36.50
9085	C	GLY		374	-8.75			88.614	1.00	36.62
9086	0	GLY		374	-9.5			89.301	1.00	35.95
9087	N	THR		375	-9.25			87.662	1.00	36.75
9088	CA	THR	В	375	-10.6			87.352	1.00	36.95
9089	CB	THR		375	-11.0			86.901	1.00	37.51
9090	OG1	THR	В	375	-10.2			85.736	1.00	38.55
9091	CG2	THR		375	-10.52			87.944	1.00	38.45
9092	C	THR		375	-11.10			86.302	1.00	36.41
9093	0	THR		375	-11.52			85.190	1.00	36.63
9094	N		В	376	-10.98			86.679	1.00	35.22
9095	CA	TRP		376	-11.45			85.889	1.00	34.47
9096	CB	TRP		376	-10.48			84.778	1.00	34.23
9097	CG	TRP		376	-9.0			85.198	1.00	34.19
9098	CD1	TRP		376	-8.1			85.178	1.00	33.41
9099	NE1	TRP	В	376	-6.9			85.650	1.00	33.46
9100	CE2	TRP		376	-7.03			85.986	1.00	32.59
9101	CD2	TRP		376	-8.35			85.708	1.00	32.41
9102	CE3	TRP		376	-8.70			85.963	1.00	29.42
9103	CZ3	TRP		376	-7.7			86.462	1.00	29.49
9104	CH2		В	376	-6.43			86.726	1.00	31.96
9105	CZ2	TRP		376	-6.05			86.488	1.00	30.16
9106	C	TRP		376	-11.5			86.958	1.00	34.44
9107	0	TRP		376	-11.23			88.104	1.00	33.98
9108	N	GLU		377	-11.99			86.641	1.00	34.14
9109	CA	GLU		377	-12.08			87.690	1.00	33.77
9110	CB	GLU		377	-13.52			88.152	1.00	34.05
9111	CG	GLU		377	-14.15			88.743	1.00	35.06
9112	CD	GLU		377	-15.4			89.525	1.00	35.00
9113	OE1	GLU		377	-15.6			90.487	1.00	36.61
9114	OE2		В	377	-16.12			89.190	1.00	33.99
9115	C	GLU		377	-11.5			87.319	1.00	33.35
9116	0	GLU		377	-11.25			86.150	1.00	33.34
9117	N	VAL		378	-11.3			88.351	1.00	32.77
9118	CA	VAL		378	-10.83			88.215	1.00	32.24
9119	CB	VAL	В	378	-9.90	05 10.	.082	89.378	1.00	32.21

FIGURE 3 FW

A	В	С	D	Е	F	G	Н	I	J
9120	CG1	VAL	В	378	-9.514	8.606	89.265	1.00	32.33
9121	CG2	VAL	В	378	-8.655	10.997	89.392	1.00	32.04
9122	С	VAL	В	378	-12.057	9.555	88.236	1.00	32.33
9123	0	VAL	В	378	-12.786	9.491	89.222	1.00	31.70
9124	N	ILE	В	379	-12.276	8.858	87.130	1.00	32.28
9125	CA	ILE	В	379	-13.425	7.996	86.973	1.00	31.43
9126	CB	ILE	В	379	-13.538	7.615	85.479	1.00	31.71
9127	CG1	ILE	В	379	-13.463	8.877	84.611	1.00	31.03
9128	CD1	ILE	В	379	-14.552	9.908	84.894	1.00	32.63
9129	CG2	ILE		379	-14.755	6.766	85.214	1.00	29.10
9130	C		В	379	-13.217	6.762	87.827	1.00	31.87
9131	0	ILE		379	-14.068	6.411	88.661	1.00	31.76
9132	N	GLY		380	-12.078	6.103	87.633	1.00	31.93
9133	CA	GLY		380	-11.779	4.922	88.418	1.00	33.11
9134	C	GLY		380	-10.320	4.533	88.511	1.00	33.83
9135	0	GLY		380	-9.510	4.874	87.664	1.00	34.19
9136	N	ILE		381	-9.979	3.808	89.565	1.00	34.81
9137	CA	ILE		381	-8.635	3.268	89.690	1.00	35.36
9138	CB		В	381	-8.191	3.255	91.143	1.00	35.26
9139	CG1		В	381	-7.923	4.694	91.613	1.00	35.36
9140 9141	CD1 CG2	ILE	В	381	-7.818 -6.952	4.864 2.379	93.143 91.275	1.00	33.27
9141	C	ILE		419 419	-8.661	1.854	89.122	1.00	35.57
9142	0	ILE		419	-9.324	0.978	89.662	1.00	35.74
9144	N	GLU		420	-7.929	1.646	88.036	1.00	36.13
9145	CA	GLU		420	-7.940	0.385	87.300	1.00	36.98
9146	CB	GLU		420	-7.780	0.670	85.802	1.00	37.12
9147	CG	GLU		420	-8.783	1.692	85.284	1.00	38.08
9148	CD	GLU		420	-10.204	1.374	85.714	1.00	39.72
9149	OE1	GLU		420	-10.645	0.217	85.552	1.00	41.76
9150	OE2	GLU		420	-10.881	2.275	86.235	1.00	41.40
9151	С	GLU		420	-6.918	-0.664	87.727	1.00	37.28
9152	0	GLU	В	420	-7.170	-1.853	87.580	1.00	37.66
9153	N	ALA	В	421	-5.766	-0.239	88.233	1.00	37.71
9154	CA	ALA	В	421	-4.754	-1.197	88.656	1.00	38.20
9155	CB	ALA		421	-4.275	-2.047	87.475	1.00	38.00
9156	C	ALA		421	-3.574	-0.537	89.359	1.00	38.59
9157	0	ALA		421	-3.209	0.615	89.100	1.00	39.16
9158	N	LEU		422	-2.948	-1.301	90.230	1.00	38.97
9159	CA	LEU		422	-1.912	-0.757	91.071	1.00	39.32
9160	CB	LEU		422	-2.474	-0.631	92.491	1.00	39.02
9161	CG	LEU		422	-1.928	0.375	93.520	1.00	38.78
9162 9163	CD1 CD2	LEU		422 422	-0.764 -1.610	1.182	93.029 94.847	1.00	36.84
9163	CD2	LEU		422	-0.754	-1.726	91.120	1.00	39.56
9165	0	LEU		422	-0.754	-2.891	91.120	1.00	39.36
9166	N	THR		423	0.442	-1.258	90.772	1.00	39.19
9167	CA	THR		423	1.646	-2.050	91.019	1.00	40.60
9168	CB	THR		423	2.463	-2.312	89.756	1.00	40.20
9169	OG1	THR		423	2.864	-1.060	89.193	1.00	40.20
9170	CG2			423	1.622	-2.960	88.685		40.73

FIGURE 3 FX

A	В	C I) E	F	G	H	1	J
0.000				0.400				44 00
9171	C	THR I		2.499 2.147	-1.252	91.994		41.37
9172	0	THR I			-0.128	92.362		41.22
9173	N		3 386	3.641	-1.821	92.374		42.02
9174	CA		386	4.524	-1.206	93.350		42.34
9175	CB		386	5.639	-2.181	93.739	1.00	
9176	OG		3 386	6.026	-2.983	92.630		44.13
9177	C		3 386	5.107	0.094	92.849	1.00	
9178	0	SER I		5.543	0.923	93.646	1.00	
9179	N	ASP I		5.099	0.285	91.532		42.54
9180	CA	ASP I		5.655	1.497	90.940	1.00	
9181	CB	ASP I		6.782	1.137	89.976		42.67
9182	CG	ASP I		7.871	0.327	90.651	1.00	
9183	OD1	ASP I		8.732	0.932	91.321	1.00	
9184	OD2	ASP I		7.924	-0.918	90.599		45.16
9185	С	ASP I		4.619	2.352	90.227	1.00	
9186	0	ASP I		4.841	3.543	89.988		42.49
9187	N	TYR I		3.481	1.754	89.893	1.00	
9188	CA	TYR I		2.468	2.488	89.153	1.00	
9189	CB	TYR I		2.595	2.189	87.661		41.59
9190	CG	TYR I		3.849	2.764	87.044		42.34
9191	CD1		3 388	4.858	1.939	86.558		42.79
9192	CE1	TYR I		6.006	2.468	85.987	1.00	
9193	CZ		388	6.159	3.845	85.910	1.00	
9194	OH		388	7.287	4.403	85.352		48.13
9195	CE2		388	5.170	4.680	86.380	1.00	
9196	CD2	TYR I		4.018	4.133	86.945		45.16
9197	С	TYR I		1.024	2.288	89.616	1.00	
9198	0	TYR I		0.648	1.252	90.157	1.00	39.85
9199	N		389	0.237	3.331	89.408	1.00	
9200	CA	LEU I		-1.186	3.335	89.689	1.00	37.62
9201	CB		3 3 8 9	-1.499	4.401	90.724	1.00	37.52
9202	CG		3 3 8 9	-2.940	4.749	91.121		37.00
9203	CD1	LEU I		-3.837	4.911	89.923		35.57
9204	CD2		389	-3.503	3.738	92.076	1.00	
9205	C	LEU I		-1.815	3.701	88.360	1.00	
9206	0	LEU I		-1.472	4.733	87.779	1.00	36.59
9207	N	TYR I		-2.698	2.845	87.849	1.00	35.64
9208	CA	TYR I		-3.348	3.139	86.585	1.00	
9209	CB	TYR I		-3.358	1.918	85.672	1.00	
9210	CG	TYR I		-1.998	1.432	85.283	1.00	35.76
9211	CD1	TYR I		-1.472	1.725	84.043	1.00	35.57
9212	CE1	TYR I		-0.231	1.290	83.690	1.00	38.07
9213	CZ	TYR I		0.505	0.535	84.575		37.51
9214	OH	TYR I		1.747	0.089	84.205	1.00	
9215	CE2	TYR I		0.011	0.234	85.816	1.00	
9216	CD2	TYR I		-1.231	0.680	86.165	1.00	36.53
9217	С	TYR I		-4.774	3.597	86.823	1.00	33.58
9218	0	TYR I		-5.513	3.013	87.602	1.00	32.85
9219	N	TYR I		-5.186	4.626	86.112	1.00	32.64
9220	CA	TYR I		-6.520	5.104	86.333	1.00	32.08
9221	CB	TYR I	3 3 9 1	-6.524	6.142	87.460	1.00	31.85

FIGURE 3 FY

A	В	С	D	Е	F	G	H	I	J
9222	CG	TYR	R	391	-5.809	7.414	87.109	1.00	32.71
9223	CD1	TYR			-6.491	8.465	86.496	1.00	34.03
9224	CE1	TYR		391	-5.853	9.642	86.183	1.00	35.77
9225	CZ	TYR		391	-4.510	9.789	86.475	1.00	35.74
9226	OH	TYR		391	-3.879	10.974	86.145	1.00	37.71
9227	CE2	TYR		391	-3.810	8.762	87.064	1.00	34.02
9228	CD2	TYR			-4.461	7.576	87.384	1.00	32.38
9229	C	TYR		391	-7.104	5.665	85.066	1.00	31.15
9230	Ö	TYR		391	-6.387	5.894	84.094	1.00	30.75
9231	N	ILE		392	-8.419	5.869	85.085	1.00	30.53
9232	CA			392	-9.120	6.464	83.951	1.00	29.73
9233	CB			392	-10.341	5.621	83.588	1.00	29.87
9234	CG1	ILE		392	-9.924	4.221	83.109		29.10
9235	CD1		В	392	-9.997	4.037	81.626	1.00	28.29
9236	CG2	ILE		392	-11.199	6.372	82.574		29.17
9237	C	ILE		392	-9.615	7.840	84.375		29.55
9238	Ö	ILE		392	-10.098	8.012	85.496	1.00	29.03
9239	N	SER		393	-9.528	8.817	83.489	1.00	29.09
9240	CA	SER		393	-9.995	10.120	83.869	1.00	30.52
9241	CB	SER		393	-8.868	10.120	84.529	1.00	30.15
9241	OG	SER		393	-8.127	11.567	83.519	1.00	30.15
9242		SER			-10.501	10.873	82.660	1.00	31.45
9243	C	SER		393	-10.301	10.464	81.525	1.00	31.45
9244	N	ASN		394	-11.166	11.986	82.910	1.00	32.96
9245	CA	ASN		394	-11.166	12.805	81.819	1.00	34.79
9240	CB	ASN		394	-13.131	13.121	81.993	1.00	34.79
9247	CG	ASN		394	-13.131	13.719	83.359	1.00	35.56
9248	OD1	ASN		394	-12.543	14.092	84.109	1.00	37.73
9249	ND2	ASN		394	-14.729	13.823	83.682	1.00	35.03
9251	C	ASN		394	-10.806	14.084	81.735	1.00	36.01
9252	0	ASN		394	-11.332	15.149	81.449	1.00	36.25
9253	И	GLU		395	-9.502	13.149	81.995	1.00	37.46
9254	CA	GLU		395	-8.661	15.170	81.909	1.00	38.43
9255	CB	GLU		395	-7.333	15.003	82.657	1.00	38.65
9256	CG	GLU		395	-6.412	16.203	82.463	1.00	40.19
9257	CD	GLU		395	-5.069	16.107	83.176	1.00	42.90
9258	OE1	GLU		395	-4.430	17.176	83.354	1.00	44.92
9259	OE2	GLU		395	-4.634	14.997	83.551	1.00	41.19
9260	C	GLU		395	-8.402	15.547	80.462	1.00	38.83
9261	Ö	GLU		395	-8.514	16.707	80.084	1.00	39.14
9262	N				-8.061	14.575	79.633	1.00	39.51
9263	CA	TYR		396	-7.753	14.923	78.257	1.00	40.26
9264	CB	TYR		396	-7.789	13.723	77.316	1.00	40.26
9265		TYR		396	-7.015	14.016	76.048	1.00	
9265	CG CD1	TYR		396	-7.015 -7.560	13.779	74.793		41.76
9266	CE1	TYR			-6.844	14.055	73.640	1.00	43.07
				396	-6.844 -5.574				
9268	CZ	TYR				14.593	73.737	1.00	45.08
9269	OH	TYR		396	-4.845	14.882		1.00	47.21
9270	CE2			396	-5.014	14.838	74.971	1.00	43.68
9271	CD2	TYR		396	-5.732	14.549	76.115		42.90
9272	С	TYR	В	396	-8.668	15.992	77.697	1.00	40.44

FIGURE 3 FZ

A	В	C I) E	F	G	Н	I	J
9273	0	TYR E	396	-9.867	15.759	77.530	1.00	40.96
9274	N	LYS E	397	-8.080	17.150	77.398	1.00	40.48
9275	CA	LYS E	397	-8.744	18.277	76.728	1.00	39.95
9276	CB	LYS E	397	-9.266	17.862	75.356	1.00	40.33
9277	CG	LYS E	3 3 9 7	-8.177	17.582	74.339	1.00	42.20
9278	CD	LYS E	397	-8.772	16.975	73.082	1.00	45.22
9279	CE	LYS E	397	-7.754	16.878	71.950	1.00	47.51
9280	NZ	LYS E	397	-8.449	16.664	70.631	1.00	48.01
9281	С	LYS E		-9.861	18.932	77.500	1.00	39.35
9282	0	LYS E		-10.658	19.672	76.927	1.00	38.89
9283	N	GLY E		-9.918	18.678	78.800	1.00	38.74
9284	CA	GLY E		-10.986	19.241	79.604	1.00	38.23
9285	C	GLY E		-12.361	18.833	79.094	1.00	37.91
9286	0	GLY E		-13.316	19.605	79.202	1.00	38.46
9287	N	MET E		-12.464	17.639	78.510	1.00	36.88
9288	CA	MET E		-13.754	17.115	78.037	1.00	36.07
9289	CB	MET E		-13.597	16.470	76.680	1.00	36.62
9290	CG	MET E		-13.082	17.399	75.632	1.00	38.67
9291	SD	MET E		-12.656	16.504	74.157	1.00	45.06
9292	CE	MET E		-14.281	16.188	73.424	1.00	42.92
9293	C	MET E		-14.266	16.076	79.018	1.00	34.89
9294	0	MET E		-13.810	14.937	79.012	1.00	34.49
9295 9296	N	PRO E		-15.220 -15.733	16.470 15.620	79.852 80.938	1.00	33.87
9296	CA	PRO E		-16.821	16.487	81.579	1.00	33.52
9298	CB CG	PRO E		-16.546	17.877	81.129	1.00	33.75
9299	CD	PRO E		-15.900	17.772	79.781	1.00	33.90
9300	C	PRO E		-16.362	14.310	80.463	1.00	33.03
9301	Ö	PRO E		-16.481	13.367	81.239	1.00	32.45
9302	N	GLY E		-16.788	14.272	79.209	1.00	32.82
9303	CA	GLY E		-17.378	13.077	78.644	1.00	33.58
9304	C	GLY E		-16.364	12.345	77.791	1.00	33.84
9305	ō	GLY E		-16.715	11.575	76.891	1.00	33.48
9306	N	GLY E		-15.089	12.601	78.062	1.00	33.60
9307	CA	GLY E	402	-14.025	11.926	77.345	1.00	33.73
9308	C	GLY E		-13.471	10.992	78.383	1.00	34.35
9309	0	GLY E	402	-13.734	11.168	79.573	1.00	34.65
9310	N	ARG E	403	-12.684	10.019	77.963	1.00	34.43
9311	CA	ARG E	403	-12.236	8.996	78.886	1.00	34.51
9312	CB	ARG E	403	-13.301	7.889	78.914	1.00	34.75
9313	CG	ARG E	403	-14.006	7.629	80.231	1.00	36.23
9314	CD	ARG E		-14.361	8.847	81.041	1.00	38.13
9315	NE	ARG E	403	-15.671	8.737	81.693	1.00	38.92
9316	CZ	ARG I		-16.562	9.728	81.708	1.00	39.23
9317	NH1	ARG E		-17.729	9.578	82.317	1.00	38.64
9318	NH2	ARG E		-16.282	10.878	81.099	1.00	37.76
9319	С	ARG I		-10.919	8.434	78.353	1.00	34.08
9320	0	ARG E		-10.853	8.032	77.198	1.00	33.75
9321	N	ASN E		-9.876	8.432	79.185	1.00	34.22
9322	CA	ASN E		-8.551	7.927	78.790	1.00	33.84
9323	CB	ASN E	3 404	-7.671	9.057	78.262	1.00	33.63

FIGURE 3 GA

A	В	С	D	Е	F	G	Н	I	J
9324	CG	ASN	В	404	-8.034	9.472	76.878	1.00	33.22
9325	OD1	ASN	В	404	-8.649	10.515	76.686	1.00	33.41
9326	ND2	ASN	В	404	-7.662	8.659	75.889	1.00	32.71
9327	С	ASN	В	404	-7.822	7.263	79.951	1.00	33.53
9328	0	ASN	В	404	-8.082	7.581	81.097	1.00	32.56
9329	N	LEU	В	405	-6.912	6.341	79.635	1.00	33.69
9330	CA	LEU	В	405	-6.123	5.631	80.641	1.00	33.92
9331	CB	LEU	В	405	-5.784	4.245	80.117	1.00	33.85
9332	CG	LEU		405	-4.928	3.321	80.968	1.00	34.67
9333	CD1	LEU		405	-5.558	3.125	82.345	1.00	34.97
9334	CD2	LEU		405	-4.747	2.000	80.249	1.00	34.55
9335	С	LEU		405	-4.825	6.397	80.967	1.00	34.30
9336	0	LEU		405	-4.103	6.824	80.073	1.00	33.84
9337	N	TYR		406	-4.548	6.594	82.249	1.00	35.07
9338	CA	TYR		406	-3.324	7.281	82.656	1.00	35.88
9339	CB	TYR		406	-3.607	8.618	83.337	1.00	35.36
9340	CG	TYR		406	-4.211	9.656	82.428	1.00	35.76
9341	CD1	TYR		406	-3.443	10.691	81.932	1.00	35.18
9342	CE1	TYR		406	-3.994	11.654	81.101	1.00	37.36
9343	CZ	TYR		406	-5.336	11.577	80.770	1.00	36.65
9344 9345	OH CE2	TYR		406 406	-5.870 -6.126	12.530 10.555	79.941 81.252	1.00	39.75
9345	CD2	TYR		406	-5.573	9.606	82.075	1.00	33.96
9346	C	TYR		406	-2.522	6.427	83.603	1.00	36.60
9348	0	TYR		406	-3.066	5.575	84.321	1.00	36.45
9349	N	LYS		407	-1.222	6.692	83.615	1.00	37.42
9350	CA	LYS		407	-0.297	5.990	84.484	1.00	38.56
9351	CB	LYS		407	0.597	5.082	83.633	1.00	38.56
9352	CG		В	407	1.995	4.805	84.154	1.00	38.49
9353	CD	LYS		407	2.579	3.634	83.370	1.00	38.76
9354	CE	LYS		407	4.038	3.832	82.997	1.00	39.60
9355	NZ	LYS		407	4.362	3.057	81.748	1.00	39.08
9356	С	LYS		407	0.519	6.999	85.294	1.00	38.99
9357	0	LYS	В	407	1.195	7.867	84.733	1.00	39.39
9358	N	ILE	В	408	0.430	6.889	86.614	1.00	39.35
9359	CA	ILE	В	408	1.155	7.776	87.511	1.00	39.42
9360	CB	ILE	В	408	0.161	8.552	88.403	1.00	39.46
9361	CG1	ILE	В	408	0.914	9.500	89.347	1.00	40.00
9362	CD1	ILE	В	408	0.022	10.521	90.018	1.00	39.47
9363	CG2	ILE		408	-0.733	7.591	89.194	1.00	37.63
9364	С	ILE		408	2.175	7.018	88.368	1.00	39.81
9365	0	ILE		408	1.853	6.018	89.016	1.00	39.29
9366	N	GLN		409	3.412	7.508	88.353	1.00	40.51
9367	CA	GLN		409	4.507	6.923	89.129	1.00	40.64
9368	CB	GLN		409	5.841	7.512	88.649	1.00	40.42
9369	CG	GLN		409	7.090	6.901	89.267	1.00	41.41
9370	CD	GLN		409	8.361	7.664	88.884	1.00	41.94
9371	OE1	GLN		409	8.638	7.861	87.707	1.00	43.52
9372	NE2	GLN		409	9.117	8.096	89.878	1.00	39.59
9373 9374	C	GLN		409	4.290	7.215	90.608	1.00	40.92
93/4	0	GLN	Б	409	4.192	8.379	91.003	1.00	41.00

FIGURE 3 GB

A	В	C D	E	F	G	H	I	J
9375	N	LEU B	410	4.193	6.163	91.418	1.00	41.42
9376	CA	LEU B		3.981	6.300	92.857	1.00	42.64
9377	CB	LEU B		3.837	4.924	93.508	1.00	42.69
9378	CG	LEU B		2.492	4.197	93.447	1.00	43.09
9379	CD1	LEU B		1.736	4.560	92.189	1.00	42.37
9380	CD2	LEU B		2.721	2.707	93.530	1.00	42.61
9381	C	LEU B		5.092	7.041	93.599	1.00	43.77
9382	ŏ	LEU B		4.931	7.370	94.777	1.00	44.22
9383	N	SER B		6.220	7.282	92.936	1.00	44.48
9384	CA	SER B		7.336	7.946	93.592	1.00	45.35
9385	CB	SER B		8.661	7.209	93.324	1.00	45.03
9386	OG	SER B		9.035	7.308	91.961	1.00	43.76
9387	C	SER B		7.429	9.396	93.156	1.00	46.24
9388	ō	SER B		8.186	10.182	93.738	1.00	46.61
9389	N	ASP B		6.659	9.760	92.137	1.00	46.78
9390	CA	ASP B		6.678	11.143	91.665	1.00	47.56
9391	CB	ASP B		7.915	11.407	90.801	1.00	47.90
9392	CG	ASP B		8.105	12.876	90.501	1.00	50.22
9393	OD1	ASP B		8.902	13.203	89.592	1.00	53.28
9394	OD2	ASP B		7.502	13.781	91.124	1.00	51.81
9395	C	ASP B		5.384	11.530	90.933	1.00	47.35
9396	ō	ASP B		5.277	11.438	89.706	1.00	47.12
9397	N	TYR B		4.420	11.979	91.730	1.00	47.17
9398	CA	TYR B		3.089	12.378	91.294	1.00	46.56
9399	CB	TYR B	413	2.360	13.009	92.477	1.00	45.92
9400	CG	TYR B	413	2.276	12.066	93.659	1.00	43.46
9401	CD1	TYR B	413	2.309	10.697	93.462	1.00	40.02
9402	CE1	TYR B	413	2.214	9.818	94.514	1.00	39.75
9403	CZ	TYR B	413	2.108	10.288	95.793	1.00	38.66
9404	OH	TYR B	413	2.025	9.382	96.805	1.00	39.90
9405	CE2	TYR B	413	2.085	11.637	96.042	1.00	40.62
9406	CD2	TYR B	413	2.162	12.535	94.964	1.00	41.96
9407	C	TYR B	413	3.144	13.343	90.134	1.00	47.27
9408	0	TYR B	413	2.156	13.554	89.436	1.00	47.56
9409	N	THR B		4.315	13.918	89.915	1.00	47.67
9410	CA	THR B	414	4.484	14.850	88.824	1.00	48.13
9411	CB	THR B	414	5.683	15.764	89.103	1.00	48.45
9412	OG1	THR B		6.839	14.958	89.386	1.00	48.02
9413	CG2	THR B		5.463	16.548	90.399	1.00	49.00
9414	С	THR B		4.715	14.059	87.549	1.00	48.31
9415	0	THR B		4.715	14.614	86.451	1.00	48.30
9416	N	LYS B		4.932	12.760	87.696	1.00	48.57
9417	CA	LYS B		5.173	11.919	86.536	1.00	49.01
9418	CB	LYS B		6.399	11.024	86.740	1.00	49.32
9419	CG	LYS B		7.717	11.805	86.908	1.00	51.05
9420	CD	LYS B		8.860	11.204	86.085	1.00	54.34
9421	CE	LYS B		8.896	11.775	84.661	1.00	57.13
9422	NZ	LYS B		9.791	11.003	83.720	1.00	58.80
9423	С	LYS B		3.937	11.103	86.202	1.00	48.84
9424	0	LYS B		3.742	9.991	86.705	1.00	49.14
9425	N	VAL B	416	3.092	11.682	85.361	1.00	48.53

FIGURE 3 GC

A	В	C D	Е	\mathbf{F}	G	Н	I	J
9426	CA	VAL B		1.879	11.024	84.907		48.03
9427	CB	VAL B		0.631	11.859	85.237	1.00	47.91
9428	CG1	VAL B		-0.630	11.172	84.714	1.00	47.97
9429	CG2	VAL B		0.519	12.079	86.717	1.00	48.17
9430	C	VAL B		1.936	10.869	83.398	1.00	47.87
9431	0	VAL B	416	2.175	11.844	82.682	1.00	47.53
9432	N	THR B	417	1.703	9.650	82.915	1.00	47.45
9433 9434	CA CB	THR B	417 417	1.698 2.700	9.403 8.274	81.478 81.121	1.00	47.54 47.46
9434	OG1	THR B		4.026	8.632	81.546	1.00	48.55
9436	CG2	THR B		2.832	8.139	79.619	1.00	47.28
9437	C	THR B		0.306	8.999	81.006	1.00	47.33
9438	Ö	THR B		-0.344	8.159	81.624	1.00	47.27
9439	N	CYS B		-0.168	9.596	79.920	1.00	47.47
9440	CA	CYS B		-1.438	9.141	79.363	1.00	47.29
9441	CB	CYS B		-2.240	10.250	78.697	1.00	47.44
9442	SG	CYS B		-3.920	9.687	78.237	1.00	47.35
9443	С	CYS B	418	-1.164	8.056	78.356	1.00	47.04
9444	0	CYS B	418	-0.508	8.293	77.345	1.00	47.45
9445	N	LEU B	419	-1.685	6.868	78.631	1.00	46.68
9446	CA	LEU B		-1.483	5.706	77.771	1.00	46.41
9447	CB	LEU B		-1.611	4.441	78.609	1.00	46.32
9448	CG	LEU B		-0.833	4.462	79.918	1.00	46.29
9449	CD1	LEU B		-1.130	3.222	80.736	1.00	46.26
9450	CD2	LEU B		0.653	4.575	79.610	1.00	46.66
9451	C	LEU B	419	-2.424	5.578	76.571	1.00	46.43
9452	0	LEU B	419	-2.205	4.728	75.709	1.00	46.90
9453 9454	N	SER B	420 420	-3.472 -4.432	6.388 6.219	76.495 75.395	1.00	46.32
9455	CA CB	SER B		-5.740	5.617	75.915	1.00	45.90
9456	OG	SER B		-6.426	6.523	76.755	1.00	45.99
9457	C	SER B		-4.740	7.475	74.611	1.00	46.02
9458	Ö	SER B		-5.144	7.405	73.452	1.00	46.35
9459	N	CYS B		-4.536	8.621	75.240	1.00	46.04
9460	CA	CYS B		-4.882	9.905	74.644	1.00	46.50
9461	CB	CYS B		-4.250	11.057	75.440	1.00	46.49
9462	SG	CYS B	421	-4.787	11.169	77.167	1.00	47.72
9463	C	CYS B	421	-4.522	10.062	73.173	1.00	46.81
9464	0	CYS B	421	-5.298	10.615	72.401	1.00	46.67
9465	N	GLU B	422	-3.347	9.581	72.786	1.00	47.35
9466	CA	GLU B		-2.831	9.850	71.446	1.00	47.86
9467	CB	GLU B		-1.472	10.570	71.544	1.00	47.88
9468	CG	GLU B		-1.433	11.997	71.002	1.00	50.00
9469	CD	GLU B		-2.245	13.011	71.808	1.00	53.03
9470	OE1	GLU B	422	-2.082	13.091	73.046	1.00	53.34
9471	OE2	GLU B		-3.043	13.757	71.189	1.00	54.03
9472 9473	C	GLU B		-2.736 -2.197	8.640 8.749	70.517	1.00	47.69
9474	O				7.501	69.421	1.00	47.87 47.64
9474	N CA	LEU B		-3.274 -3.241	6.288	70.938 70.113	1.00	47.92
9476	CB	LEU B		-3.915	5.128	70.113		
22.0	02	D	120	0.010	0.120		1.00	- /

FIGURE 3 GD

A	В	C	D	Е	F	G	H	I	J
9477	CG	LEU	В	423	-3.146	4.584	72.043	1.00	47.38
9478	CD1	LEU		423	-3.918	3.471	72.729	1.00	46.19
9479	CD2	LEU		423	-1.744	4.100	71.638	1.00	46.08
9480	C	LEU		423	-3.904	6.492	68.748	1.00	48.36
9481	ō	LEU		423	-3.318	6.187	67.705	1.00	48.49
9482	N	ASN		424	-5.134	6.999	68.782	1.00	48.71
9483	CA	ASN	В	424	-5.939	7.302	67.608	1.00	49.05
9484	CB	ASN		424	-6.833	6.108	67.237	1.00	49.54
9485	CG	ASN	В	424	-6.105	4.995	66.455	1.00	51.63
9486	OD1	ASN	В	424	-5.835	5.123	65.252	1.00	53.95
9487	ND2	ASN	В	424	-5.848	3.871	67.129	1.00	52.35
9488	C	ASN	В	424	-6.854	8.459	68.025	1.00	48.74
9489	0	ASN	В	424	-8.043	8.254	68.251	1.00	49.07
9490	N	PRO	В	425	-6.302	9.660	68.164	1.00	48.43
9491	CA	PRO	В	425	-7.054	10.847	68.617	1.00	48.02
9492	CB	PRO	В	425	-6.050	11.989	68.404	1.00	47.86
9493	CG	PRO	В	425	-5.023	11.403	67.490	1.00	48.40
9494	CD	PRO	В	425	-4.879	9.982	67.959	1.00	48.45
9495	С	PRO	В	425	-8.381	11.199	67.918	1.00	47.59
9496	0	PRO	В	425	-9.222	11.842	68.540	1.00	46.93
9497	N	GLU		426	-8.561	10.827	66.660	1.00	47.18
9498	CA	GLU		426	-9.802	11.166	65.971	1.00	46.96
9499	CB	GLU		426	-9.535	11.492	64.501	1.00	47.53
9500	CG	GLU		426	-8.931	12.870	64.268	1.00	50.42
9501	CD	GLU		426	-8.861	13.226	62.797	1.00	55.18
9502	OE1	GLU		426	-9.438	12.456	61.982	1.00	58.05
9503	OE2	GLU		426	-8.235	14.264	62.451	1.00	55.78
9504	C	GLU		426	-10.844	10.055	66.088	1.00	45.85
9505	0	GLU		426	-12.048	10.310	66.056	1.00	46.07
9506	N	ARG		427	-10.372	8.824	66.218	1.00	44.60
9507	CA	ARG		427	-11.245	7.669	66.346	1.00	43.20
9508	CB	ARG		427	-10.545	6.432	65.742	1.00	43.19
9509	CG	ARG		427	-11.100	5.047	66.136	1.00	42.79
9510	CD	ARG		427	-11.837	4.273	65.033	1.00	42.22
9511 9512	NE CZ	ARG		427 427	-10.961 -11.117	3.411 2.095	64.240 64.123	1.00	43.75
9512	NH1	ARG		427	-10.278	1.382	63.381	1.00	41.93
9514	NH2	ARG		427	-12.111	1.484	64.752	1.00	42.41
9515	C	ARG		427	-11.555	7.448	67.825	1.00	42.54
9516	Ö	ARG		427	-12.665	7.066	68.198	1.00	41.81
9517	N	CYS		428	-10.578	7.736	68.678	1.00	41.68
9518	CA	CYS		428	-10.702	7.308	70.059	1.00	40.78
9519	CB	CYS		428	-9.771	6.114	70.280	1.00	40.84
9520	SG	CYS		428	-10.305	4.676	69.310	1.00	40.30
9521	C	CYS		428	-10.513	8.331	71.156	1.00	40.51
9522	0	CYS		428	-9.447	8.941	71.285	1.00	40.62
9523	N	GLN		429	-11.566	8.524	71.945	1.00	39.36
9524	CA	GLN		429	-11.482	9.414	73.078	1.00	38.88
9525	CB	GLN		429	-11.630	10.883	72.658	1.00	39.13
9526	CG	GLN		429	-12.909	11.232	71.952	1.00	41.45
9527	CD	GLN	В	429	-12.815	12.506	71.135	1.00	42.09

FIGURE 3 GE

A	В	C	D	Е		F		G		H		Ι	J
9528	OE1	GLN	R	429	-1	2.231	10	2.518	7	0.052	1	. 00	42.86
9529	NE2	GLN		429		3.410		3.571		1.637		.00	43.57
9530	C	GLN		429		2.407		9.030		4.230		.00	38.04
9531	0	GLN		429		2.768		9.873		5.025		.00	38.38
9532	N	TYR		430		2.775		7.747		4.301		.00	36.73
9533	CA	TYR		430		3.530		7.164		5.421		.00	35.62
9534	CB	TYR		430		5.036		7.101		5.130		.00	35.47
9535	CG	TYR		430		5.935		5.976		6.345		.00	33.00
9536	CD1	TYR		430		6.190		5.741		6.928		.00	30.65
9537	CE1	TYR		430		7.013		5.634		8.036		.00	31.86
9538	CZ	TYR		430		7.612		5.776		8.569		.00	32.82
9539	OH	TYR	В	430	-1	8.456		5.680	7	9.661	1	.00	32.17
9540	CE2	TYR	В	430	-1	7.380	8	3.009	7	7.996	1	.00	31.47
9541	CD2	TYR	В	430		6.546		3.103	7	6.898	1	.00	32.86
9542	C	TYR		430		3.000		5.747		5.573		.00	35.39
9543	0	TYR	В	430	-1	3.337		1.876	7	4.766	1	.00	36.02
9544	N	TYR	В	431	-1	2.178		5.514	7	6.595	1	.00	34.48
9545	CA	TYR	В	431	-1	1.521		1.228	7	6.768	1	.00	33.97
9546	CB	TYR	В	431	-	9.993		4.411	7	6.819	1	.00	34.10
9547	CG	TYR	В	431	-	9.288		1.635	7	5.502	1	.00	33.35
9548	CD1	TYR	В	431	_	8.782		3.568	7	4.780	1	.00	33.82
9549	CE1	TYR	В	431	-	8.126		3.764	7	3.577	1	.00	32.81
9550	CZ	TYR	В	431	-	7.975		5.024	7	3.089	1	.00	32.09
9551	OH	TYR	В	431	-	7.317		5.210	7	1.884	1	.00	34.18
9552	CE2	TYR	В	431	-	8.474	-	5.106	7	3.790	1	.00	32.54
9553	CD2	TYR	В	431	-	9.109		5.909	7	4.994	1	.00	31.95
9554	C	TYR		431		1.893		3.521		8.054		.00	33.98
9555	0	TYR	В	431	-1	2.132	4	4.149	7	9.085		.00	33.82
9556	N	SER	В	432		1.916	- 2	2.201	7	7.992	1	.00	33.64
9557	CA	SER		432		1.991		1.400		9.197		.00	33.67
9558	CB	SER	В	432		3.336		0.693		9.344		.00	33.69
9559	OG	SER		432		3.557		0.209		8.285		.00	35.22
9560	C	SER		432		0.831		0.417		9.082		.00	33.30
9561	0	SER		432		0.242		.260		8.000		.00	32.90
9562	N	VAL		433		0.493		252		0.171		.00	33.35
9563	CA	VAL		433		9.318		1.105		0.138		.00	33.52
9564	CB	VAL		433		8.066		355		0.689		.00	33.67
9565	CG1	VAL		433		8.301		0.133		2.113		.00	31.86
9566	CG2	VAL		433		6.806		1.245		0.621		.00	33.10
9567	C	VAL		433		9.482		2.396		0.898		.00	34.40
9568	0	VAL		433		0.216		2.469		1.876		.00	34.34
9569	N	SER		434		8.792		3.429		0.434		.00	35.52
9570	CA	SER		434		8.774		1.692		1.155		.00	36.83
9571	CB	SER		434		9.631		5.760		0.476		.00	36.32
9572	OG	SER		434		9.797		5.868		31.354		.00	36.59
9573	C	SER		434		7.340		5.180		1.297		.00	37.75
9574	0	SER		434		6.682		5.530		0.307		.00	37.42
9575	N	PHE		435		6.874		5.205		32.541		.00	39.26
9576	CA		В	435		5.519		6.633		12.862		.00	40.71
9577	CB	PHE		435		4.987		1.889		4.093		.00	40.80
9578	CG	PHE	В	435	_	4.566	-,	3.480	5	3.812	1	. 00	41.50

FIGURE 3 GF

	1.05
	.57
	1.39
	2.17
	1.94
	1.74
	2.94
	1.64
	1.86
	1.90
	.60
	5.77
	5.66
	3.13
9594 CB LYS B 437 -3.491 -12.223 86.714 1.00 48	3.28
9595 CG LYS B 437 -3.311 -12.681 88.151 1.00 50	.57
	.46
	1.80
	5.25
	3.47
	3.75
	3.91
	.40
).14
	3.11
	7.76
	3.90
	3.92
	3.64
	3.41
	7.44
	7.48
9613 C ALA B 439 0.245 -6.057 83.892 1.00 46	5.91
9614 O ALA B 439 0.861 -5.046 83.582 1.00 47	1.27
9615 N LYS B 440 0.599 -7.261 83.467 1.00 46	5.22
	5.42
	.72
	3.39
	1.54
9620 CE LYS B 440 5.446 -10.819 82.828 1.00 54	
	.44
	1.23
	1.04
	2.93
	1.53
	2.29
	1.21
9629 CE1 TYR B 441 1.560 -10.548 79.177 1.00 45	

FIGURE 3 GG

A	В	C	D	Е	F	0	3 Н	I	J
9630	CZ	TYR	R	441	2.41	0 -10.2	97 78.1	29 1.00	45.67
9631	OH	TYR		441	3.50				48.44
9632	CE2	TYR	В	441	2.17	70 -9.2	52 77.2	268 1.00	45.14
9633	CD2	TYR		441	1.05				
9634	C	TYR	В	441	-2.08	36 -5.9	99 80.0	34 1.00	40.43
9635	0	TYR	В	441	-2.64	14 -6.1	62 81.1	116 1.00	39.93
9636	N	TYR	В	442	-2.57	75 -5.2	24 79.0	76 1.00	39.24
9637	CA	TYR	В	442	-3.88	38 -4.€	22 79.2	204 1.00	38.12
9638	CB	TYR	В	442	-3.86	50 -3.2	72 79.9	37 1.00	37.79
9639	CG	TYR	В	442	-3.00	0 -2.2	11 79.3	308 1.00	36.99
9640	CD1	TYR		442	-1.62				37.49
9641	CE1	TYR		442	-0.83				
9642	CZ	TYR		442	-1.42				38.20
9643	OH	TYR		442	-0.64				
9644	CE2	TYR		442	-2.78				
9645	CD2	TYR		442	-3.56				36.42
9646	C	TYR		442	-4.56				37.75
9647	0	TYR		442	-3.91				37.67
9648	N	GLN		443	-5.87				36.72
9649	CA	GLN		443	-6.65				36.23
9650	CB	GLN		443	-7.71				36.03
9651 9652	CG CD	GLN		443 443	-8.65				
		GLN		443	-9.95				
9653 9654	OE1 NE2	GLN		443	-10.48 -10.46				36.36
9655	C	GLN		443	-7.33				36.34
9656	Ö	GLN		443	-8.01				35.78
9657	N	LEU		444	-7.14				
9658	CA	LEU	В	444	-7.78				37.01
9659	CB	LEU		444	-6.85				37.61
9660	CG	LEU		444	-6.26				38.23
9661	CD1	LEU		444	-6.42				
9662	CD2	LEU	В	444	-4.80	08 1.2	25 75.5	67 1.00	38.29
9663	C	LEU	В	444	-9.02	23 -1.1	.69 74.8	302 1.00	37.52
9664	0	LEU	В	444	-9.02	20 -1.8	61 73.7	777 1.00	37.47
9665	N	ARG	В	445	-10.07	74 -0.4	180 75.2	223 1.00	37.73
9666	CA	ARG	В	445	-11.31				
9667	CB	ARG	В	445	-12.34				38.87
9668	CG	ARG	В	445	-13.53				42.76
9669	CD	ARG		445	-14.84				
9670	NE	ARG		445	-15.28				51.94
9671	CZ	ARG		445	-16.55				
9672	NH1	ARG		445	-16.87				
9673	NH2	ARG		445	-17.51				56.63
9674	С	ARG		445	-11.83				37.77
9675	0	ARG		445	-12.24				37.63
9676	N	CYS	В	446	-11.79				37.48
9677 9678	CA CB	CYS	В	446 446	-12.40 -11.51	03 2.7 12 3.7			37.98 38.50
9679	SG	CYS		446	-11.92				
9680	C			446	-11.92				
2000	C	C15	D	440	-13./5	,, 2.5	12.2	.02 1.00	51.44

FIGURE 3 GH

A	В	C	D	E	F	G	H	I	J
9681	0	CYS	D	446	-13.878	1.724	71.325	1.00	37.58
	N	SER		447		3.181	72.801	1.00	36.87
9682		SER		447	-14.770 -16.121			1.00	
9683 9684	CA CB	SER		447	-16.121	3.056 2.929	72.295 73.438	1.00	36.06
9685	OG	SER		447	-16.507	2.481	74.615	1.00	37.23
9686	C	SER		447	-16.522	4.275	71.515	1.00	35.55
9687	0	SER		447	-17.706	4.497	71.328	1.00	36.20
9688	N	GLY		448	-15.581	5.099	71.087	1.00	35.02
9689	CA	GLY		448	-15.976	6.242	70.284	1.00	35.18
9690	C	GLY		448	-14.985	7.371	70.326	1.00	35.66
9691	0	GLY		448	-14.066	7.358	71.159	1.00	35.53
9692	N	PRO		449	-15.225	8.399	69.513	1.00	35.54
9693	CA	PRO		449	-16.452	8.519	68.730	1.00	36.01
9694	CB	PRO		449	-16.529	10.019	68.437	1.00	35.79
9695	CG	PRO		449	-15.303	10.613	69.029	1.00	35.21
9696	CD	PRO		449	-14.330	9.538	69.289	1.00	35.44
9697	C	PRO		449	-16.445	7.763	67.420	1.00	36.31
9698	0	PRO		449	-17.496	7.669	66.801	1.00	36.67
9699	N	GLY		450	-15.291	7.273	66.985	1.00	36.24
9700	CA	GLY		450	-15.233	6.492	65.763	1.00	35.98
9701	С	GLY		450	-15.727	5.092	66.085	1.00	35.94
9702	0	GLY		450	-16.284	4.881	67.157	1.00	35.95
9703	N	LEU		451	-15.508	4.134	65.187	1.00	35.82
9704	CA	LEU		451	-15.958	2.775	65.409	1.00	35.69
9705	CB	LEU		451	-15.798	1.942	64.138	1.00	35.37
9706	CG	LEU		451	-16.637	2.364	62.934	1.00	36.88
9707	CD1	LEU		451	-18.043	2.722	63.371	1.00	39.09
9708	CD2	LEU		451	-16.684	1.242	61.902	1.00	36.51
9709	C	LEU		451	-15.163	2.145	66.532	1.00	35.78
9710	0	LEU		451	-13.961	2.287	66.602	1.00	35.77
9711	N	PRO		452	-15.841	1.442	67.418	1.00	36.02
9712	CA	PRO		452	-15.164	0.787	68.530	1.00	36.49
9713	CB	PRO		452	-16.214	-0.211	69.018	1.00	36.60
9714	CG	PRO		452	-17.502	0.466	68.737	1.00	36.28
9715	CD	PRO		452	-17.298	1.227	67.442	1.00	35.76
9716	C	PRO		452	-13.907	0.071	68.048	1.00	36.91
9717	0	PRO		452	-13.890	-0.497	66.961	1.00	37.14
9718	N	LEU		453	-12.861	0.103	68.860	1.00	37.38
9719	CA	LEU		453	-11.595	-0.518	68.509	1.00	37.79
9720	CB	LEU		453	-10.662	0.548	67.909	1.00	38.09
9721	CG	LEU	В	453	-9.130	0.424	67.895	1.00	39.23
9722	CD1	LEU		453	-8.581	0.806	69.245	1.00	41.73
9723	CD2	LEU		453	-8.527	1.356	66.877	1.00	38.74
9724	С	LEU		453	-11.009	-1.163	69.761	1.00	37.97
9725	0	LEU		453	-10.954	-0.529	70.810	1.00	38.14
9726	N	TYR		454	-10.614	-2.431	69.664	1.00	38.19
9727	CA	TYR		454	-10.018	-3.156	70.792	1.00	38.49
9728	CB	TYR		454	-10.786	-4.451	71.099	1.00	38.13
9729	CG	TYR		454	-12.241	-4.232	71.417	1.00	38.60
9730	CD1	TYR		454	-12.725	-4.381	72.711	1.00	38.94
9731	CE1	TYR	В	454	-14.068	-4.170	73.001	1.00	37.86

FIGURE 3 GI

A	В	C D	Е	F	G	Н	I	J
9732	CZ	TYR B	454	-14.920	-3.799	71.988	1.00	39.51
9733	OH	TYR B	454	-16.26		72.236	1.00	40.91
9734	CE2	TYR B		-14.452		70.698	1.00	39.29
9735	CD2	TYR B		-13.13		70.422	1.00	38.35
9736	C	TYR B		-8.543		70.539	1.00	38.72
9737	0	TYR B		-8.198		69.504	1.00	38.95
9738	N	THR B	455	-7.680		71.488	1.00	38.84
9739	CA	THR B		-6.24		71.332	1.00	38.93
9740	CB	THR B	455	-5.498		71.007	1.00	38.87
9741	OG1	THR B		-5.832		71.970	1.00	38.92
9742	CG2	THR B		-5.949		69.675	1.00	38.16
9743	C	THR B		-5.612		72.552	1.00	39.32
9744	0	THR B		-6.11		73.669	1.00	39.52
9745	N	LEU B		-4.49		72.326	1.00	39.79
9746	CA	LEU B		-3.75		73.399	1.00	40.44
9747	CB	LEU B	456	-3.46		73.042	1.00	40.42
9748	CG	LEU B	456	-3.868		74.030	1.00	42.00
9749	CD1	LEU B		-2.76		74.072	1.00	42.32
9750	CD2	LEU B	456	-4.16		75.430	1.00	42.07
9751	С	LEU B		-2.443		73.573	1.00	40.92
9752	0	LEU B		-1.850		72.590	1.00	41.11
9753	N	HIS B		-1.989		74.814	1.00	41.21
9754 9755	CA	HIS B		-0.76		75.089 75.445	1.00	41.70
	CB					74.576		
9756	CG	HIS B		-2.119			1.00	39.95
9757 9758	ND1 CE1	HIS B	457 457	-1.832 -2.943		73.645 73.016	1.00	38.88
9759	NE2	HIS B	457	-3.938		73.509	1.00	37.88
9760	CD2	HIS B	457	-3.44		74.482	1.00	38.62
9761	C	HIS B		-0.01		76.244	1.00	42.55
9762	0	HIS B		-0.61		77.146	1.00	42.69
9763	N	SER B		1.30		76.232	1.00	43.43
9764	CA	SER B		2.09		77.356	1.00	44.71
9765	CB	SER B		3.35		76.897	1.00	44.67
9766	OG	SER B		4.13		76.061	1.00	45.67
9767	C	SER B		2.42		78.205	1.00	45.51
9768	ō	SER B		2.69		77.682	1.00	44.86
9769	N	SER B	459	2.39		79.520	1.00	46.90
9770	CA	SER B		2.622		80.408	1.00	48.50
9771	CB	SER B	459	1.92	4 -2.735	81.747	1.00	48.28
9772	OG	SER B		2.20		82.264	1.00	49.98
9773	C	SER B	459	4.100	-2.126	80.590	1.00	49.47
9774	0	SER B	459	4.40	7 -1.007	80.992	1.00	49.61
9775	N	VAL B	460	5.01	-3.035	80.255	1.00	50.94
9776	CA	VAL B	460	6.43	9 -2.775	80.445	1.00	51.98
9777	CB	VAL B	460	7.315		79.914	1.00	52.10
9778	CG1	VAL B	460	8.782		80.154	1.00	52.94
9779	CG2	VAL B		6.938		80.594	1.00	52.80
9780	C	VAL B		6.87		79.829	1.00	52.32
9781	0	VAL B		7.412		80.518	1.00	52.84
9782	N	ASN B	461	6.65	-1.294	78.534	1.00	52.98

FIGURE 3 GJ

A	В	С	D	Е	F	G	H	I	J
9783	CA	ASN	R	461	7.001	-0.038	77.875	1 00	53.52
9784	CB	ASN		461	8.271	-0.176	77.034	1.00	
9785	CG	ASN		461	9.539	0.100	77.842	1.00	55.10
9786	OD1	ASN	В	461	9.873	1.259	78.116	1.00	55.97
9787	ND2	ASN		461	10.246	-0.963	78.230		55.66
9788	C	ASN		461	5.839	0.487	77.052	1.00	53.51
9789	ō	ASN		461	6.019	1.187	76.053	1.00	53.38
9790	N	ASP		462	4.641	0.127	77.502	1.00	53.66
9791	CA	ASP	В	462	3.388	0.542	76.880	1.00	53.73
9792	CB	ASP	В	462	2.902	1.862	77.479	1.00	53.78
9793	CG	ASP	В	462	2.632	1.752	78.955	1.00	54.43
9794	OD1	ASP		462	3.211	2.549	79.731	1.00	55.45
9795	OD2	ASP		462	1.863	0.890	79.431	1.00	54.43
9796	С	ASP	В	462	3.438	0.648	75.368	1.00	53.40
9797	0	ASP	В	462	3.141	1.703	74.811		53.36
9798	N	LYS	В	463	3.816	-0.436	74.702	1.00	52.90
9799	CA	LYS		463	3.768	-0.435	73.251	1.00	52.73
9800	CB	LYS		463	5.080	-0.926	72.633	1.00	53.15
9801	CG	LYS	В	463	5.195	-2.435	72.468	1.00	55.06
9802	CD	LYS	В	463	6.260	-2.758	71.435	1.00	57.55
9803	CE	LYS	В	463	5.943	-4.039	70.664	1.00	59.47
9804	NZ	LYS	В	463	6.763	-4.144	69.409	1.00	59.87
9805	С	LYS		463	2.573	-1.270	72.787	1.00	51.90
9806	0	LYS	В	463	2.077	-2.139	73.507	1.00	51.86
9807	N	GLY	В	464	2.091	-0.985	71.591	1.00	50.93
9808	CA	GLY	В	464	0.976	-1.733	71.063	1.00	49.76
9809	С	GLY	В	464	1.427	-3.098	70.591	1.00	48.51
9810	0	GLY	В	464	2.409	-3.214	69.874	1.00	48.50
9811	N	LEU	В	465	0.729	-4.140	71.016	1.00	47.52
9812	CA	LEU	В	465	1.030	-5.469	70.523	1.00	46.73
9813	CB	LEU	В	465	0.649	-6.530	71.555	1.00	46.55
9814	CG	LEU	В	465	1.474	-6.509	72.848	1.00	46.30
9815	CD1	LEU	В	465	0.704	-7.128	73.979	1.00	43.80
9816	CD2	LEU	В	465	2.822	-7.213	72.666	1.00	45.01
9817	C	LEU		465	0.258	-5.683	69.222	1.00	46.37
9818	0	LEU	В	465	0.848	-5.950	68.169	1.00	46.31
9819	N	ARG	В	466	-1.062	-5.521	69.289	1.00	45.36
9820	CA	ARG		466	-1.897	-5.788	68.128	1.00	44.30
9821	CB	ARG		466	-1.915	-7.287	67.854	1.00	44.34
9822	CG	ARG		466	-2.567	-8.082	68.969	1.00	44.74
9823	CD		В	466	-2.273	-9.569	68.931	1.00	44.86
9824	NE	ARG		466	-0.847	-9.831	69.115	1.00	44.16
9825	CZ	ARG		466	-0.291	-10.154	70.271	1.00	44.48
9826	NH1	ARG		466	1.017	-10.375	70.344	1.00	44.39
9827	NH2	ARG		466	-1.041	-10.261	71.361	1.00	45.27
9828	C	ARG		466	-3.340	-5.332	68.252	1.00	43.59
9829	0	ARG		466	-3.863	-5.072	69.338	1.00	43.21
9830	N	VAL		467	-3.980	-5.268	67.097	1.00	42.75
9831	CA	VAL		467	-5.369	-4.922	67.005	1.00	41.90
9832	CB	VAL		467	-5.664	-4.313	65.637	1.00	42.12
9833	CG1	VAL	В	467	-7.081	-3.744	65.597	1.00	42.48

FIGURE 3 GK

A	В	С	D E		F	G	Н	I	J
9834	CG2	VAL		7	-4.650	-3.202	65.333		42.81
9835	С	VAL			-6.170	-6.201	67.196		41.22
9836	0	VAL			-6.039	-7.142	66.417	1.00	41.01
9837	N	LEU			-6.982	-6.243	68.246	1.00	40.12
9838	CA		B 46		-7.828	-7.399	68.505	1.00	39.35
9839	CB	LEU			-8.260	-7.431	69.972	1.00	39.22
9840	CG	LEU			-7.149	-7.616	71.012	1.00	39.50
9841	CD1		B 46		-7.722	-7.565	72.418	1.00	39.92
9842	CD2		B 46		-6.424	-8.935	70.794	1.00	39.93
9843	C		B 46		-9.067	-7.355	67.616	1.00	38.66
9844	0	LEU			-9.380	-8.299	66.893	1.00	38.22
9845 9846	N CA	GLU			-9.776 -11.001	-6.240 -6.078	67.678 66.908	1.00	38.22
9847	CB	GLU			-12.214	-6.450	67.742	1.00	37.22
9848	CG	GLU			-13.526	-6.249	67.005	1.00	37.38
9849	CD	GLU			-13.602	-7.106	65.761	1.00	37.88
9850	OE1		B 46		-13.746	-6.562	64.643	1.00	34.63
9851	OE2		B 46		-13.507	-8.340	65.913	1.00	39.57
9852	C		B 46		-11.111	-4.642	66.478	1.00	36.92
9853	ō		B 46		-11.158	-3.739	67.311	1.00	36.60
9854	N		B 47		-11.151	-4.428	65.173	1.00	36.62
9855	CA		B 47		-11.196	-3.073	64.657	1.00	36.74
9856	CB	ASP	B 47	0	-10.052	-2.824	63.674	1.00	36.90
9857	CG	ASP	B 47	0	-10.163	-3.682	62.436	1.00	39.20
9858	OD1	ASP	B 47	0	-9.253	-3.593	61.570	1.00	41.35
9859	OD2		B 47		-11.124	-4.474	62.251	1.00	38.62
9860	C	ASP			-12.516	-2.688	64.001	1.00	36.27
9861	0		B 47		-12.692	-1.535	63.617	1.00	36.08
9862	N	ASN			-13.432	-3.636	63.851	1.00	35.57
9863	CA	ASN			-14.730	-3.329	63.260	1.00	34.94
9864	CB	ASN			-15.398	-2.204	64.052	1.00	34.49
9865	CG	ASN			-16.283	-2.724 -3.497	65.145 64.874	1.00	34.14
9866 9867	OD1 ND2	ASN			-17.202 -15.998	-2.349	66.392	1.00	33.93
9868	C	ASN			-14.664	-2.921	61.793	1.00	35.06
9869	0	ASN			-15.390	-2.014	61.353	1.00	34.47
9870	N	SER			-13.787	-3.559	61.024	1.00	34.95
9871	CA	SER			-13.676	-3.163	59.634	1.00	34.75
9872	CB	SER			-12.326	-3.557	59.016	1.00	34.94
9873	OG	SER			-12.115	-4.949	59.129	1.00	38.29
9874	C	SER			-14.866	-3.691	58.856	1.00	33.94
9875	0	SER	B 47	2	-15.292	-3.077	57.880	1.00	33.88
9876	N	ALA	B 47	3	-15.434	-4.809	59.304	1.00	33.57
9877	CA	ALA	B 47	3	-16.598	-5.340	58.613	1.00	33.41
9878	CB	ALA	B 47	3	-17.064	-6.637	59.228	1.00	33.35
9879	C	ALA			-17.718	-4.301	58.636	1.00	33.49
9880	0	ALA			-18.344	-4.025	57.615	1.00	32.91
9881	N		B 47		-17.953	-3.720	59.805	1.00	33.55
9882	CA		B 47		-19.018	-2.745	59.955	1.00	33.99
9883	CB		B 47		-19.268	-2.456	61.428	1.00	34.22
9884	CG	LEU	B 47	4	-20.243	-1.312	61.748	1.00	35.30

FIGURE 3 GL

A	В	С	D	E	F	G	H	I	J
9885	CD1	LEU	R	474	-21.642	-1.617	61.238	1.00	34.21
9886	CD2	LEU	В	474	-20.264	-1.083	63.245	1.00	34.84
9887	C	LEU		474	-18.651	-1.475	59.223	1.00	33.97
9888	Ö	LEU	В	474	-19.490	-0.847	58.599	1.00	33.99
9889	N	ASP		475	-17.381	-1.110	59.286	1.00	34.46
9890	CA	ASP		475	-16.914	0.051	58.566	1.00	35.26
9891	CB	ASP		475	-15.419	0.234	58.764	1.00	34.89
9892	CG	ASP		475	-14.904	1.486	58.114	1.00	34.68
9893	OD1	ASP		475	-14.294	1.378	57.024	1.00	36.50
9894	OD2	ASP		475	-15.073	2.621	58.605	1.00	33.48
9895	C	ASP		475	-17.235	-0.155	57.100	1.00	36.26
9896	0	ASP		475	-17.695	0.760	56.422	1.00	36.57
9897	N	LYS		476	-17.009	-1.373	56.619	1.00	37.51
9898	CA	LYS		476	-17.307	-1.702	55.235	1.00	38.64
9899	CB	LYS		476	-16.864	-3.133	54.895	1.00	39.35
9900	CG		В	476	-16.867	-3.452	53.387	1.00	42.66
9901	CD	LYS		476	-16.549	-4.930	53.071	1.00	46.42
9902	CE	LYS		476	-15.146	-5.353	53.556	1.00	49.78
9903	NZ		В	476	-14.011	-5.112	52.586	1.00	50.22
9904	C	LYS		476	-18.785	-1.515	54.913	1.00	38.54
9905	0		В	476	-19.136	-0.832	53.950	1.00	38.36
	N		В	477	-19.136		55.705	1.00	
9906 9907	CA	MET	В	477	-19.682	-2.082 -1.959	55.285	1.00	38.82
9908	CB	MET	В	477	-21.081	-3.097	55.807	1.00	39.28
9909	CG	MET	В	477	-21.886	-3.480	57.261	1.00	41.02
9910	SD	MET	В	477	-23.103	-4.821	57.689	1.00	46.02
9911	CE	MET	В	477	-23.103	-4.449	56.569	1.00	44.10
9911	C		В	477	-24.462	-0.546	55.451	1.00	39.01
9912	Ö	MET	В	477	-21.666	-0.194	54.852	1.00	38.91
9914	N	LEU		478	-20.965	0.287	56.207	1.00	39.11
9915	CA	LEU		478	-21.407	1.642	56.466	1.00	38.82
9916	CB	LEU		478	-20.855	2.085	57.823	1.00	38.62
9917	CG	LEU		478	-21.755	2.331	59.045	1.00	38.51
9918	CD1		В	478	-20.964	2.331	60.317	1.00	37.08
9919	CD2	LEU		478	-23.047	1.502	59.055	1.00	35.88
9919	C D2	LEU		478	-21.008	2.678	55.408	1.00	39.38
9921	Ö	LEU		478	-21.552	3.785	55.413	1.00	38.90
9922	N	GLN		479	-20.090	2.358	54.492	1.00	39.91
9923	CA	GLN		479	-19.596	3.450	53.631	1.00	40.99
9924	CB	GLN		479	-18.147	3.450	53.104	1.00	42.19
9925	CG	GLN		479	-17.943	2.372	51.893	1.00	44.87
9926	CD	GLN		479	-17.624	0.962	52.297	1.00	47.18
9927	OE1	GLN		479	-16.774	0.305	51.699	1.00	46.75
9928		GLN		479	-18.309	0.303	53.326	1.00	
9928	NE2 C	GLN		479	-20.543	4.123	52.618	1.00	50.12
9929		GLN		479	-20.543	5.250	52.618	1.00	
	O N								40.42
9931		ASN		480	-21.628	3.450	52.257 51.395	1.00	39.75
9932	CA	ASN		480	-22.617	4.071		1.00	39.17
9933	CB	ASN		480	-22.810	3.303	50.079	1.00	39.07
9934	CG	ASN		480	-23.389	1.934	50.283	1.00	38.34
9935	OD1	ASN	В	480	-23.675	1.532	51.405	1.00	39.33

FIGURE 3 GM

A	В	С	D	Е	F	G	Н	I	J
9936	ND2	ASN	В	480	-23.562	1.197	49.195	1.00	37.35
9937	С	ASN	В	480	-23.952	4.292	52.122	1.00	38.84
9938	0	ASN	В	480	-25.018	4.289	51.492	1.00	38.34
9939	N	VAL	В	481	-23.884	4.458	53.445	1.00	37.77
9940	CA	VAL	В	481	-25.073	4.817	54.206	1.00	37.02
9941	CB	VAL	В	481	-25.599	3.678	55.168	1.00	37.04
9942	CG1	VAL	В	481	-24.615	2.580	55.334	1.00	36.01
9943	CG2	VAL	В	481	-26.077	4.215	56.508	1.00	36.67
9944	C	VAL	В	481	-24.946	6.178	54.875	1.00	36.63
9945	0	VAL	В	481	-23.948	6.503	55.486	1.00	36.05
9946	N	GLN	В	482	-25.978	6.987	54.718	1.00	36.78
9947	CA	GLN	В	482	-25.988	8.333	55.258	1.00	36.69
9948	CB	GLN	В	482	-27.107	9.136	54.611	1.00	36.71
9949	CG	GLN		482	-26.914	9.252	53.108	1.00	38.91
9950	CD	GLN		482	-28.133	9.801	52.401	1.00	40.62
9951	OE1	GLN		482	-28.209	11.003	52.113	1.00	40.56
9952	NE2	GLN		482	-29.095	8.929	52.125	1.00	40.90
9953	C	GLN		482	-26.137	8.298	56.763	1.00	36.68
9954	0		В	482	-27.238	8.346	57.293	1.00	36.60
9955	N		В	483	-25.008	8.205	57.451	1.00	36.67
9956	CA		В	483	-25.026	8.136	58.892	1.00	36.98
9957	CB		В	483	-23.818	7.349	59.397	1.00	36.93
9958	CG	MET		483	-23.898	5.889	59.020	1.00	37.27
9959	SD		В	483	-25.324	5.098	59.799	1.00	39.21
9960	CE		В	483	-24.718	5.123	61.489	1.00	37.40
9961	C		В	483	-25.048	9.517	59.487	1.00	37.15
9962	O N	MET	В	483	-24.606 -25.605	10.476 9.631	58.881 60.677	1.00	37.52 37.78
9963 9964	CA	PRO		484 484	-25.653	10.925	61.363	1.00	37.84
9965	CB	PRO		484	-26.616	10.925	62.510	1.00	37.77
9966	CG	PRO		484	-26.409	9.174	62.777	1.00	37.96
9967	CD	PRO		484	-26.285	8.558	61.429	1.00	37.09
9968	C	PRO		484	-24.281	11.285	61.920	1.00	37.92
9969	Ö	PRO		484	-23.396	10.446	61.933	1.00	38.22
9970	N	SER		485	-24.099	12.517	62.378	1.00	38.27
9971	CA	SER		485	-22.843	12.863	63.023	1.00	38.32
9972	CB	SER		485	-22.113	13.991	62.285	1.00	38.62
9973	OG	SER		485	-22.789	15.229	62.422	1.00	38.59
9974	C	SER		485	-23.140	13.254	64.449	1.00	38.06
9975	0	SER	В	485	-24.299	13.373	64.844	1.00	38.12
9976	N	LYS	В	486	-22.094	13.397	65.242	1.00	38.14
9977	CA	LYS	В	486	-22.291	13.834	66.598	1.00	37.92
9978	CB	LYS	В	486	-21.804	12.788	67.589	1.00	37.32
9979	CG	LYS	В	486	-22.295	13.064	68.988	1.00	36.10
9980	CD	LYS	В	486	-21.626	12.167	69.984	1.00	35.39
9981	CE	LYS	В	486	-22.623	11.437	70.825	1.00	33.81
9982	NZ		В	486	-21.933	10.471	71.696	1.00	31.22
9983	C		В	486	-21.549	15.125	66.827	1.00	38.55
9984	0		В	486	-20.406	15.277	66.404	1.00	38.40
9985	N	LYS		487	-22.213	16.080	67.460	1.00	39.41
9986	CA	LYS	В	487	-21.515	17.277	67.882	1.00	40.37

FIGURE 3 GN

A	В	С	D	E	F	G	Н	I	J
9987	СВ	LYS	В	487	-22,202	18.552	67.416	1.00	40.73
9988	CG	LYS	В	487	-21.733	19.785	68.194	1.00	42.32
9989	CD	LYS	В	487	-21.414	20.922	67.260	1.00	45.83
9990	CE	LYS		487	-21.483	22.276	67.946	1.00	48.42
9991	NZ	LYS	В	487	-21.094	23.380	67.002	1.00	49.56
9992	C	LYS	В	487	-21.461	17.245	69.385	1.00	40.25
9993	0	LYS	В	487	-22.481	17.046	70.034	1.00	40.45
9994	N	LEU	В	488	-20.262	17.395	69.931	1.00	40.48
9995	CA	LEU	В	488	-20.063	17.425	71.371	1.00	40.70
9996	CB	LEU	В	488	-19.056	16.371	71.791	1.00	40.34
9997	CG	LEU	В	488	-19.267	15.608	73.101	1.00	40.39
9998	CD1	LEU		488	-17.932	15.099	73.580	1.00	38.50
9999	CD2	LEU		488	-19.939	16.422	74.200	1.00	38.59
10000	C	LEU	В	488	-19.501	18.807	71.635	1.00	41.34
10001	0	LEU		488	-18.436	19.152	71.134	1.00	41.42
10002	N	ASP	В	489	-20.234	19.602	72.400	1.00	42.14
10003	CA	ASP		489	-19.851	20.970	72.681	1.00	42.96
10004	CB	ASP	В	489	-20.318	21.886	71.555	1.00	43.27
10005	CG	ASP	В	489	-19.303	22.972	71.216	1.00	45.38
10006	OD1	ASP		489	-18.123	22.647	70.974	1.00	47.86
10007	OD2	ASP	В	489	-19.597	24.181	71.142	1.00	48.46
10008	C	ASP		489	-20.491	21.382	74.001	1.00	43.31
10009	0	ASP		489	-21.108	20.563	74.682	1.00	43.06
10010	N CA	PHE	В	490 490	-20.347 -20.862	22.650 23.128	74.359 75.627	1.00	43.92
10011	CB	PHE	В	490	-19.730	23.126	76.655	1.00	44.71
10012	CG	PHE	В	490	-18.628	24.148	76.295	1.00	45.17
10013	CD1	PHE	В	490	-18.728	25.493	76.610	1.00	45.54
10015	CE1	PHE	В	490	-17.717	26.378	76.276	1.00	46.24
10016	CZ	PHE	В	490	-16.592	25.925	75.610	1.00	46.81
10017	CE2	PHE	В	490	-16.480	24.588	75.279	1.00	46.81
10018	CD2	PHE	В	490	-17.496	23.706	75.623	1.00	46.16
10019	С	PHE	В	490	-21.491	24.505	75.500	1.00	45.08
10020	0	PHE	В	490	-21.269	25.211	74.516	1.00	44.51
10021	N	ILE	В	491	-22.308	24.862	76.487	1.00	45.90
10022	CA	ILE	В	491	-22.814	26.224	76.601	1.00	47.24
10023	CB	ILE	В	491	-24.325	26.364	76.291	1.00	47.15
10024	CG1	ILE	В	491	-25.148	25.408	77.147	1.00	47.50
10025	CD1	ILE	В	491	-26.606	25.519	76.910	1.00	48.34
10026	CG2	ILE	В	491	-24.606	26.135	74.806	1.00	47.94
10027	C	ILE	В	491	-22.512	26.699	78.008	1.00	48.15
10028	0	ILE	В	491	-22.203	25.899	78.893	1.00	47.96
10029	N	ILE	В	492	-22.580	28.013	78.191	1.00	49.85
10030	CA	ILE	В	492	-22.314	28.653	79.468	1.00	50.95
10031	CB	ILE	В	492	-21.274	29.775	79.286	1.00	51.11
10032	CG1	ILE	В	492 492	-20.066	29.250	78.507 78.745	1.00	51.12
10033	CD1 CG2	ILE	В	492	-18.792 -20.844	30.041	80.648	1.00	51.24
10034 10035	C	ILE	В	492	-20.844	30.363	79.971	1.00	51.58
10035	Ö	ILE	В	492	-24.331	29.896	79.235	1.00	52.23
10030	N	LEU		493	-23.962	28.943	81.219		52.29
10037	7.4	الاعت	ט	-133	25.302	20.343	01.213	1.00	52.25

FIGURE 3 GO

A	В	С	D	E	F	G	H	1	J
10038	CA	LEU		493	-25.233	29.413	81.737	1.00	52.84
10039	CB	LEU		493	-26.069	28.229	82.221	1.00	52.51
10040	CG	LEU		493	-27.200	27.831	81.266	1.00	52.66
10041	CD1	LEU		493	-27.650	26.412	81.500	1.00	49.42
10042	CD2	LEU		493	-26.803	28.028	79.806	1.00	53.67
10043	C	LEU		493	-25.098	30.481	82.828	1.00	53.43
10044	0	LEU		493	-25.801	31.503	82.822	1.00	53.94
10045	N	ASN		494	-24.172	30.261	83.745	1.00	53.60
10046	CA	ASN		494	-24.003	31.154	84.875	1.00	53.59
10047	CB	ASN		494	-24.875	30.649	86.023	1.00	53.96
10048	CG	ASN		494	-25.182	31.711	87.060	1.00	55.31
10049	OD1	ASN		494	-26.350	31.975	87.354	1.00	57.50
10050	ND2	ASN		494	-24.143	32.297	87.649	1.00	55.83
10051	C	ASN		494	-22.545	31.072	85.254	1.00	53.34
10052	0	ASN		494	-22.205	30.710	86.373	1.00	53.44
10053	N	GLU		495	-21.678	31.370	84.294	1.00	53.22
10054	CA	GLU		495	-20.240	31.296	84.519	1.00	53.15
10055	CB	GLU		495	-19.865	32.021	85.817	1.00	53.73
10056	CG	GLU		495	-19.640	33.515	85.586	1.00	56.37
10057	CD	GLU		495	-20.186	34.399	86.692	1.00	59.67
10058	OE1	GLU		495	-21.297	34.110	87.211	1.00	61.56
10059	OE2	GLU		495	-19.507	35.399	87.023	1.00	60.11
10060	C	GLU		495	-19.684	29.864	84.461	1.00	52.30
10061	0	GLU		495	-18.467	29.658	84.522	1.00	52.40
10062	N	THR		496	-20.574	28.884	84.304	1.00	50.82
10063	CA	THR		496	-20.168	27.480	84.229	1.00	49.32
10064	CB	THR		496	-20.859	26.684	85.331	1.00	49.61
10065	OG1	THR		496	-22.249	27.008	85.319	1.00	51.05
10066	CG2	THR		496	-20.425	27.182	86.702	1.00	50.12
10067	C	THR		496	-20.488	26.845	82.882	1.00	47.62
10068	0	THR		496	-21.502	27.161	82.258	1.00	47.49
10069	N	LYS		497	-19.609	25.954	82.438	1.00	45.55
10070	CA	LYS		497	-19.807	25.223	81.198	1.00	43.78
10071	CB	LYS		497	-18.479	24.646	80.715	1.00	44.12
10072	CG	LYS		497	-17.656	25.556	79.813	1.00	45.88
10073	CD	LYS	В	497	-16.173	25.423	80.161	1.00	48.55
10074	CE		В	497	-15.283	25.386	78.934	1.00	50.48
10075	NZ	LYS		497	-13.839	25.324	79.336	1.00	52.98
10076	C	LYS		497	-20.778	24.064	81.422	1.00	41.98
10077	0	LYS		497	-20.770	23.433	82.474	1.00	41.37
10078	N	PHE	В	498	-21.612	23.785	80.431	1.00	40.01
10079	CA	PHE	В	498	-22.533	22.650	80.515	1.00	38.10
10080	CB	PHE	В	498	-23.934	23.108	80.887	1.00	37.53
10081	CG CD1	PHE	В	498	-24.057	23.520	82.322	1.00	35.93
10082	CD1	PHE		498	-24.063	22.569	83.326	1.00	34.06
10083	CE1		В	498	-24.157	22.943	84.646	1.00	33.01
10084	CZ	PHE	В	498	-24.237 -24.230	24.280 25.229	84.980	1.00	31.46
10085	CE2	PHE	В	498			83.986	1.00	32.07
10086	CD2	PHE	В	498	-24.123	24.857	82.672	1.00	33.44
10087	C	PHE	В	498	-22.504		79.177	1.00	37.48
10088	0	PHE	В	498	-22.656	22.595	78.134	1.00	38.07

FIGURE 3 GP

A	В	С	D	Е		F	G	H	I	J
10089	N	TRP	В	499		-22.289	20.654	79.192	1.00	36.11
10090	CA	TRP	В	499	-	-22.099	19.941	77.944	1.00	35.50
10091	CB	TRP	В	499	-	-21.059	18.840	78.145	1.00	35.08
10092	CG	TRP	В	499		-19.720	19.429	78.446	1.00	35.03
10093	CD1	TRP	В	499		-19.285	19.925	79.646	1.00	32.74
10094	NE1	TRP	В	499		-18.009	20.413	79.510	1.00	34.52
10095	CE2	TRP	В	499		-17.598	20.242	78.211	1.00	34.52
10096	CD2	TRP		499		-18.655	19.636	77.513	1.00	34.41
10097	CE3	TRP		499		-18.481	19.344	76.156	1.00	34.27
10098	CZ3	TRP		499		-17.291	19.669	75.554	1.00	35.89
10099	CH2	TRP		499		-16.256	20.275	76.277	1.00	35.53
10100	CZ2	TRP		499		-16.393	20.567	77.604	1.00	34.90
10101	C	TRP		499		-23.376	19.375	77.348	1.00	35.10
10102	0	TRP		499		-24.303	19.022	78.059	1.00	34.98
10103	N	TYR		500		-23.404	19.278	76.027	1.00	34.63
10104	CA	TYR		500		-24.515	18.652	75.356	1.00	34.16
10105	CB	TYR		500		-25.501	19.714	74.887	1.00	34.31
10106	CG	TYR		500		-24.938	20.604	73.821	1.00	34.73
10107	CD1	TYR		500		-25.082	20.289	72.479 71.494	1.00	35.98
10108	CE1	TYR		500		-24.560 -23.879	21.113	71.494	1.00	37.75
10109	CZ OH	TYR		500 500		-23.879	22.261 23.085	70.876	1.00	37.36 40.04
10111	CE2	TYR		500		-23.362	22.587	73.171	1.00	36.68
10111	CD2	TYR		500		-24.251	21.763	74.152	1.00	36.43
10112	C	TYR		500		-23.976	17.918	74.157	1.00	33.95
10113	Ö	TYR		500		-22.852	18.188	73.709	1.00	33.81
10115	N	GLN		501		-24.774	16.993	73.637	1.00	33.20
10116	CA	GLN		501		-24.457	16.357	72.372	1.00	33.45
10117	CB	GLN		501		-23.984	14.895	72.526	1.00	33.76
10118	CG	GLN		501		-25.024	13.939	73.127	1.00	33.49
10119	CD	GLN		501		-24.548	12.494	73.163	1.00	34.53
10120	OE1	GLN		501		-23.433	12.198	73.632	1.00	33.50
10121	NE2	GLN	В	501	-	-25.388	11.588	72.670	1.00	31.69
10122	C	GLN	В	501		-25.696	16.436	71.492	1.00	33.81
10123	0	GLN	В	501		-26.832	16.526	71.978	1.00	33.93
10124	N	MET	В	502		-25.471	16.441	70.188	1.00	33.70
10125	CA	MET	В	502		-26.562	16.410	69.250	1.00	33.82
10126	CB	MET	В	502		-26.696	17.734	68.516	1.00	33.95
10127	CG	MET	В	502		-27.329	18.801	69.342	1.00	33.05
10128	SD	MET	В	502		-27.201	20.315	68.472	1.00	33.25
10129	CE	MET	В	502		-28.235	21.312	69.478	1.00	30.68
10130	C	MET	В	502		-26.216	15.356	68.261	1.00	33.95
10131	0	MET	В	502		-25.117	15.363	67.716	1.00	34.17
10132	N	ILE	В	503		-27.129	14.419	68.065	1.00	33.81
10133	CA	ILE	В	503		-26.933	13.433	67.031	1.00	33.50
10134	CB	ILE	В	503		-27.669	12.136	67.366	1.00	32.92
10135	CG1	ILE	В	503		-27.106	11.523	68.663	1.00	31.39
10136	CD1	ILE	В	503		-25.613	11.166	68.615	1.00	27.70
10137	CG2 C	ILE	В	503 503		-27.564 -27.488	11.150 14.161	66.215 65.824	1.00	32.58
10138	0			503		-27.488	14.161	65.776	1.00	34.30
10123	U	TTE	D	303		20.0/3	14.013	00.776	1.00	54.09

FIGURE 3GQ

A	В	С	D	Е	F	G	H	I	J
10140	N	LEU	В	504	-26.609	14.440	64.872	1.00	35.45
10141	CA	LEU	В	504	-26.972	15.267	63.726	1.00	36.12
10142	CB	LEU	В	504	-25.885	16.316	63.475	1.00	36.38
10143	CG	LEU	В	504	-25.567	17.341	64.570	1.00	36.67
10144	CD1	LEU	В	504	-24.221	17.993	64.288	1.00	35.93
10145	CD2		В	504	-26.659	18.404	64.706	1.00	35.45
10146	C	LEU		504	-27.216	14.484	62.445	1.00	37.22
10147	0	LEU		504	-26.401	13.645	62.058	1.00	37.27
10148	N	PRO		505	-28.351	14.760	61.799	1.00	37.60
10149	CA	PRO		505	-28.702	14.166	60.511	1.00	38.16
10150	CB	PRO		505	-29.913	14.990	60.069	1.00	38.11
10151	CG	PRO		505	-30.500	15.517	61.311	1.00	37.73
10152	CD	PRO		505	-29.397	15.663	62.302	1.00	37.25
10153	C	PRO		505	-27.595	14.368	59.486	1.00	39.24
10154	0	PRO		505	-26.853	15.340	59.575	1.00	39.35
10155	N	PRO		506	-27.505	13.468	58.513	1.00	39.76
10156	CA	PRO		506	-26.495	13.573	57.456	1.00	40.19
10157	CB	PRO		506	-26.768	12.367	56.548	1.00	40.20
10158	CG	PRO		506	-27.981	11.665	57.081	1.00	40.90
10159 10160	CD	PRO		506 506	-28.377 -26.705	12.292 14.857	58.380 56.683	1.00	39.97
	0	PRO		506	-26.705	15.365	56.687	1.00	40.43
10161 10162	N	HIS		507	-25.662	15.372	56.035	1.00	41.02
10162	CA		В	507	-25.761	16.622	55.288	1.00	41.46
10163	CB	HIS		507	-26.592	16.427	54.020	1.00	41.76
10165	CG		В	507	-26.332	15.126	53.331	1.00	42.08
10166	ND1	HIS	В	507	-25.069	14.733	52.936	1.00	42.83
10167	CE1	HIS		507	-25.138	13.543	52.366	1.00	43.44
10168	NE2	HIS	В	507	-26.400	13.147	52.381	1.00	43.74
10169		HIS		507	-27.166	14.118	52.984	1.00	42.93
10170	C	HIS		507	-26.387	17.696	56.157	1.00	41.97
10171	ō		В	507	-27.146	18.535	55.681	1.00	42.17
10172	N	PHE	В	508	-26.086	17.664	57.445	1.00	42.32
10173	CA	PHE	В	508	-26.630	18.665	58.330	1.00	43.43
10174	CB	PHE	В	508	-25.972	18.611	59.698	1.00	43.24
10175	CG	PHE	В	508	-26.444	19.684	60.620	1.00	44.63
10176	CD1	PHE	В	508	-27.774	19.754	60.990	1.00	44.60
10177	CE1	PHE	В	508	-28.222	20.744	61.833	1.00	43.08
10178	CZ	PHE	В	508	-27.358	21.678	62.304	1.00	43.80
10179	CE2	PHE	В	508	-26.027	21.634	61.937	1.00	44.80
10180	CD2	PHE	В	508	-25.574	20.643	61.095	1.00	44.57
10181	С	PHE	В	508	-26.427	20.036	57.701	1.00	43.83
10182	0	PHE	В	508	-25.386	20.313	57.116	1.00	44.39
10183	N	ASP	В	509	-27.421	20.896	57.828	1.00	44.40
10184	CA	ASP	В	509	-27.363	22.203	57.188	1.00	44.75
10185	CB	ASP	В	509	-28.127	22.155	55.868	1.00	44.72
10186	CG	ASP	В	509	-28.252	23.510	55.212	1.00	45.91
10187	OD1	ASP	В	509	-27.683	24.497	55.732	1.00	46.23
10188	OD2	ASP	В	509	-28.913	23.679	54.164	1.00	47.63
10189	C	ASP	В	509	-27.936	23.261	58.108	1.00	44.61
10190	0	ASP	В	509	-29.127	23.274	58.374	1.00	44.66

FIGURE 3 GR

A	В		С	D	Е	F		G	Н		I	J
101	91	N	LYS	В	510	-27.072		24.143	58.58	39	1.00	44.90
101	92	CA	LYS	В	510	-27.465		25.188	59.52	21	1.00	45.59
101		CB		В	510	-26.255		26.041	59.90		1.00	45.82
101		CG	LYS	В	510	-25.350		25.406	60.97		1.00	48.45
101		CD	LYS		510	-24.164		26.314	61.35			50.98
101		CE	LYS	В	510	-23.114		25.548	62.16		1.00	54.17
101		NZ	LYS	В	510	-21.726		26.131	62.00		1.00	56.04
101		C O	LYS	В	510 510	-28.601 -29.243		26.078 26.788	59.00		1.00	45.45
102		N	SER		511	-28.847		26.042	57.69		1.00	45.26
102		CA	SER	В	511	-29.916		26.848	57.11		1.00	45.33
102		CB	SER		511	-29.769		26.907	55.59		1.00	45.41
102		OG	SER		511	-28.785		27.866	55.24		1.00	47.44
102		c	SER		511	-31.302		26.332	57.48		1.00	44.83
102	05	0	SER	В	511	-32.235		27.106	57.66	52	1.00	44.80
102	06	N	LYS	В	512	-31.430		25.016	57.60)6	1.00	44.34
102	07	CA	LYS	В	512	-32.727		24.407	57.88	31	1.00	43.64
102	08	CB	LYS	В	512	-32.697		22.921	57.50	7	1.00	43.69
102		CG	LYS	В	512	-33.042		22.624	56.05		1.00	45.86
102		CD	LYS	В	512	-32.208		23.433	55.07		1.00	49.67
102		CE	LYS	В	512	-32.465		23.007	53.61		1.00	52.34
102		NZ		В	512	-33.916		23.051	53.23		1.00	52.55
102		C		В	512	-33.176		24.551	59.33		1.00	42.70
102		0	LYS	В	512	-32.418		24.980	60.20		1.00	42.13
102		N	LYS	В	513	-34.430		24.187	59.57			41.79
102		CA CB	LYS	В	513 513	-34.991 -36.204		24.138 25.061	60.91		1.00	40.90
102		CG	LYS	В	513	-35.900		26.538	60.74		1.00	42.83
102		CD	LYS	В	513	-34.975		27.148	61.80		1.00	44.80
102		CE	LYS	В	513	-34.335		28.445	61.31		1.00	47.34
102		NZ	LYS	В	513	-33.346		28.208	60.19		1.00	48.84
102		C	LYS		513	-35.403		22.688	61.16		1.00	39.90
102	23	0	LYS	В	513	-36.470		22.255	60.72	23	1.00	40.55
102	24	N	TYR	В	514	-34.559		21.930	61.84	12	1.00	38.20
102	25	CA	TYR	В	514	-34.866		20.529	62.11	1	1.00	36.29
102		CB	TYR	В	514	-33.594		19.733	62.31	0 1	1.00	36.16
102		CG	TYR		514	-32.702		19.673	61.10		1.00	36.91
102		CD1	TYR		514	-32.789		18.618	60.21		1.00	36.68
102		CE1	TYR		514	-31.979		18.555	59.11		1.00	38.01
102		CZ	TYR		514	-31.049		19.551	58.89		1.00	37.95
102		OH	TYR		514	-30.245		19.466	57.79		1.00	40.53
102		CE2 CD2	TYR		514 514	-30.928 -31.741		20.610	59.75		1.00	37.42 37.50
102		CD2	TYR	В	514	-35.681		20.889	63.37		1.00	35.23
102		0	TYR		514	-35.557		21.194	64.29		1.00	34.65
102		N	PRO		515	-36.525		19.371	63.40		1.00	34.07
102		CA	PRO		515	-37.268		19.055	64.61		1.00	33.42
102		CB	PRO		515	-38.158		17.891	64.19		1.00	33.93
102		CG	PRO	В	515	-38.038		17.776	62.71		1.00	33.47
102		CD	PRO	В	515	-36.819	1	18.460	62.28		1.00	33.86
102	41	С	PRO	В	515	-36.213		18.584	65.59	96	1.00	32.62

FIGURE 3 GS

A	В	C	D	Е	F	G	H	I	J
10242	0	PRO	В	515	-35.150	18.138	65.180	1.00	31.56
10243	N	LEU		516	-36.473	18.708	66.882	1.00	31.86
10244	CA	LEU		516	-35.468	18.323	67.834	1.00	31.62
10245	CB	LEU	В	516	-34.798	19.553	68.440	1.00	31.58
10246	CG	LEU		516	-33.658	19.190	69.396	1.00	32.56
10247	CD1	LEU		516	-34.157	19.079	70.822	1.00	33.59
10248	CD2	LEU		516	-32.496	20.191	69.315	1.00	32.53
10249	C	LEU		516	-36.059	17.476	68.932	1.00	30.89
10250	ŏ	LEU	В	516	-37.063	17.844	69.537	1.00	31.00
10251	N	LEU		517	-35.420	16.345	69.182	1.00	30.15
10252	CA	LEU		517	-35.787	15.490	70.293	1.00	29.98
10253	CB	LEU		517	-35.843	14.026	69.852	1.00	30.15
10254	CG	LEU		517	-36.336	13.035	70.903		29.99
10255	CD1	LEU	В	517	-36.296	11.620	70.333	1.00	30.41
10256	CD2	LEU		517	-37.741	13.368	71.320	1.00	29.68
10257	C	LEU		517	-34.748	15.631	71.389	1.00	29.32
10258	Ö	LEU		517	-33.571	15.417	71.150		29.44
10259	N	LEU		518	-35.184	16.005	72.585		29.05
10260	CA	LEU	В	518	-34.300	16.059	73.734	1.00	28.73
10261	CB	LEU		518	-34.741	17.159	74.703		28.96
10262	CG	LEU	В	518	-33.841	17.523	75.885		29.85
10263	CD1	LEU		518	-32.389	17.709	75.444		29.17
10264	CD2	LEU		518	-34.365	18.774	76.613		29.61
10265	C	LEU	В	518	-34.346	14.689	74.398		28.44
10266	ō	LEU		518	-35.366	14.284	74.941		28.38
10267	N	ASP		519	-33.245	13.955	74.310		28.13
10268	CA	ASP		519	-33.141	12.639	74.920		27.66
10269	CB	ASP		519	-32.203	11.782	74.053		27.46
10270	CG	ASP	В	519	-31.791	10.492	74.719	1.00	28.03
10271	OD1	ASP		519	-31.132	9.700	74.021		25.81
10272	OD2	ASP	В	519	-32.072	10.188	75.924		27.65
10273	C	ASP		519	-32.558	12.898	76.305		27.39
10274	0	ASP		519	-31.413	13.291	76.423		27.33
10275	N	VAL	В	520	-33.335	12.683	77.359	1.00	27.69
10276	CA	VAL	В	520	-32.869	13.044	78.687	1.00	27.22
10277	CB	VAL	В	520	-33.750	14.180	79.309	1.00	28.16
10278	CG1	VAL	В	520	-35.117	13.662	79.702	1.00	28.43
10279	CG2	VAL	В	520	-33.916	15.325	78.315	1.00	29.01
10280	C	VAL	В	520	-32.805	11.920	79.676	1.00	26.59
10281	0	VAL	В	520	-33.569	10.970	79.594	1.00	26.43
10282	N	TYR	В	521	-31.841	12.018	80.588	1.00	26.09
10283	CA	TYR	В	521	-31.785	11.154	81.746	1.00	26.06
10284	CB	TYR	В	521	-30.607	10.166	81.703	1.00	26.25
10285	CG	TYR	В	521	-30.722	9.201	82.845	1.00	26.80
10286	CD1	TYR	В	521	-29.919	9.323	83.962	1.00	27.78
10287	CE1	TYR	В	521	-30.055	8.459	85.041	1.00	28.23
10288	CZ	TYR	В	521	-31.026	7.491	85.020	1.00	27.94
10289	OH	TYR	В	521	-31.163	6.653	86.098	1.00	28.80
10290	CE2	TYR		521	-31.862	7.369	83.929	1.00	25.85
10291	CD2	TYR		521	-31.706	8.225	82.852		26.01
10292	C	TYR	В	521	-31.747	12.111	82.962	1.00	26.26

FIGURE 3 GT

A	В	C	D	E		F	G	H	I	J
10293	0	TYR	R	521	-32.	7/12	12.272	83.694	1 00	25.89
10294	N	ALA		522	-30.		12.765	83.163	1.00	26.30
10295	CA	ALA		522	-30.		13.860	84.125		26.18
10296	CB	ALA		522	-31.		14.942	83.835	1.00	25.81
10297	C	ALA		522	-30.		13.539	85.594	1.00	26.17
10297		ALA		522	-30.		14.440			26.60
	0							86.425		
10299	N	GLY		523	-30.		12.274	85.937	1.00	26.31
10300	CA	GLY		523	-30.		11.921	87.335		27.13
10301	С	GLY		523	-29.		12.405	87.919	1.00	
10302	0	GLY		523	-28.		12.886	87.200	1.00	
10303	N	PRO		524	-28.		12.278	89.228	1.00	28.62
10304	CA	PRO		524	-27.		12.695	89.924	1.00	28.81
10305	CB	PRO		524	-27.		12.390	91.385		28.77
10306	CG	PRO		524	-29.		12.370	91.450	1.00	
10307	CD	PRO		524	-29.		11.744	90.150	1.00	
10308	C	PRO		524	-26.		11.909	89.470	1.00	29.28
10309	0	PRO		524	-26.		10.682	89.522	1.00	30.13
10310	N	CYS	В	525	-25.	397	12.631	89.028	1.00	29.43
10311	CA	CYS	В	525	-24.		12.091	88.536	1.00	29.13
10312	CB	CYS	В	525	-23.	443	11.139	89.530	1.00	29.46
10313	SG	CYS	В	525	-21.	704	10.843	89.134	1.00	30.55
10314	C	CYS	В	525	-24.	244	11.431	87.187	1.00	29.15
10315	0	CYS	В	525	-23.	481	10.528	86.845	1.00	28.81
10316	N	SER	В	526	-25.	207	11.889	86.398	1.00	28.96
10317	CA	SER	В	526	-25.	404	11.293	85.092	1.00	28.33
10318	CB	SER	В	526	-26.	889	11.309	84.702	1.00	28.66
10319	OG	SER	В	526	-27.	392	12.622	84.545	1.00	28.53
10320	С	SER	В	526	-24.	583	12.037	84.075	1.00	28.00
10321	0	SER	В	526	-24.	109	13.141	84.343	1.00	28.49
10322	N	GLN		527	-24.		11.407	82.924	1.00	
10323	CA	GLN		527	-23.		11.993	81.789	1.00	27.34
10324	CB	GLN		527	-22.		11.587	81.733	1.00	
10325	CG	GLN		527	-21.		12.350	80.679		27.08
10326	CD	GLN		527	-19.		12.274	80.926	1.00	
10327	OE1	GLN		527	-19.		11.178	80.858	1.00	31.47
10328	NE2	GLN		527	-19.		13.421	81.239	1.00	25.86
10329	С	GLN		527	-24.		11.465	80.545	1.00	27.56
10330	ŏ	GLN		527	-24.		10.254	80.293		27.51
10331	N	LYS		528	-24.		12.377	79.769	1.00	
10332	CA	LYS		528	-25.		12.032	78.532	1.00	
10333	CB		В	528	-27.		12.468	78.572	1.00	28.03
10333	CG	LYS			-27.		11.562	79.420	1.00	26.85
10334	CD	LYS		528	-28.		10.281	78.656	1.00	26.78
				528	-20.		10.281		1.00	
10336 10337	CE	LYS		528	-29.		9.276	77.855 76.941	1.00	27.00
	NZ C		В	528	-29.		12.715	77.403	1.00	
10338										28.93
10339	0	LYS		528	-25.		12.509	76.242	1.00	29.39
10340	N	ALA		529	-23.		13.554	77.751	1.00	30.32
10341	CA	ALA		529	-23.		14.276	76.752	1.00	31.84
10342	CB	ALA		529	-22.		15.703	77.219	1.00	32.18
10343	C	ALA	В	529	-21.	859	13.507	76.669	1.00	32.41

FIGURE 3 GU

10344	A	В	C	D	E	1	F	G	Н	I	J
10346 N	10344	0	ALA	В	529	-21.0	059	13.567	77.60	0 1.00	33.03
10346 CA ASP B 530 -20.595 11.810 75.425 1.00 33.61 10347 CB ASP B 530 -21.75 70.425 75.322 1.00 34.27 10348 CG ASP B 530 -21.175 9.709 76.570 1.00 36.90 10349 ODI ASP B 530 -21.849 8.710 76.862 1.00 38.24 10351 C ASP B 530 -19.677 11.829 74.237 1.00 33.01 10352 O ASP B 530 -19.677 11.829 74.237 1.00 33.01 10353 N THR B 531 -17.716 10.815 73.309 1.00 33.01 10354 CA THR B 531 -17.716 10.815 73.309 1.00 31.98 10355 CB THR B 531 -15.716 10.815 73.309 1.00 31.98 10355 CB THR B 531 -15.716 10.815 73.309 1.00 32.42 10356 CG THR B 531 -15.377 9.869 73.441 1.00 31.71 10357 CG2 THR B 531 -17.994 9.423 72.662 1.00 31.71 10358 C THR B 531 -17.994 9.423 72.662 1.00 31.71 10359 O THR B 531 -17.361 9.020 71.711 1.00 32.01 10360 N VAL B 532 -19.307 7.354 72.763 1.00 32.52 10363 CG1 VAL B 532 -20.103 6.599 73.846 1.00 30.52 10364 CG2 VAL B 532 -20.103 6.599 73.846 1.00 30.52 10365 C VAL B 532 -20.103 6.599 73.846 1.00 30.52 10366 C VAL B 532 -20.103 6.599 73.846 1.00 30.52 10367 N PHE B 533 -20.300 5.885 6.9393 71.00 29.69 10369 CB PHE B 533 -20.300 5.885 6.9393 71.00 29.69 10369 CB PHE B 533 -20.300 5.885 6.9393 71.00 29.69 10370 CG PHE B 533 -20.301 5.783 66.62 70.643 1.00 29.69 10371 CD1 PHE B 533 -20.863 3.119 66.855 1.00 30.52 10376 C PHE B 533 -20.863 3.119 66.855 1.00 30.52 10377 CD1 PHE B 533 -20.301 5.885 69.393 71.00 29.94 10379 CA PHE B 533 -20.301 5.885 69.393 71.00 29.94 10370 CD PHE B 533 -20.301 5.895 69.333 70.00 29.94 10377 CD1 PHE B 533 -20.863 70.334 64.992 70.00 30.80 10371 CD1 PHE B 5											
10347 CB ASP B 530											
10348 CG ASP B 530 -21.175 9,709 76.570 1,00 36.90 10350 OD ASP B 530 -21.849 8.710 76.862 1,00 38.24 10351 C ASP B 530 -19.677 11.829 74.237 1,00 33.23 10352 O ASP B 530 -19.952 12.402 73.201 1,00 33.23 10353 N THR B 531 -17.716 10.815 73.209 1,00 31.98 10355 CG THR B 531 -17.716 10.815 73.309 1,00 31.98 10355 CG THR B 531 -15.716 12.177 73.405 1.00 32.42 10356 OG THR B 531 -15.716 12.177 73.405 1.00 32.42 10357 CG2 THR B 531 -17.361 9.020 71.711 1.00 32.01 10359 O THR B 531 -17.361 9.020 71.711 1.00 32.01 10360 N VAL B 532 -18.939 8.716 73.209 1.00 31.77 10360 N VAL B 532 -18.939 8.716 73.209 1.00 31.02 10361 CA VAL B 532 -20.103 6.599 73.846 1.00 30.28 10363 CG1 VAL B 532 -20.431 5.169 73.390 1.00 28.75 10366 C VAL B 532 -20.431 5.169 73.390 1.00 28.75 10366 C VAL B 532 -20.057 7.203 71.347 1.00 30.28 10366 C VAL B 532 -20.057 7.203 71.347 1.00 30.98 10366 C VAL B 532 -20.057 7.203 71.347 1.00 30.90 10367 N PHE B 533 -19.628 6.225 70.643 1.00 29.92 10368 CA PHE B 533 -20.300 5.885 69.933 1.00 29.92 10370 CG PHE B 533 -20.300 5.885 69.933 1.00 29.92 10371 CDI PHE B 533 -20.300 5.885 69.934 1.00 29.92 10373 CZ PHE B 533 -20.300 5.885 69.539 1.00 29.92 10376 CD PHE B 533 -20.300 5.885 69.624 1.00 29.95 10377 CD PHE B 533 -20.300 5.885 69.624 1.00 29.95 10378 C A ARG B 534 -24.484 4.892 69.624 1.00 29.95 10379 CA ARG B 534 -24.746 4.941 70.382 1.00 3.96 10380 C A ARG B 534 -24.746 4.941 70.382 1.00 3.96											
10349 ODI ASP B 530											
10350 ODZ ASP B 530											
10351 C											
10352 C											
10353 N											
10354 CA											
10355 CB THR B 531											
10356 CG											
10357 CG2 THR 531											
10358 C											
10359 O											
10360 N VAL B 532											
10361 CA VAL B 532											
10362 CB VAL B 532											
10363 CG1 VAL B 532 -20.431 5.169 73.390 1.00 28.75 10364 CG2 VAL B 532 -19.333 6.602 75.166 1.00 28.66 10365 C VAL B 532 -20.057 7.203 71.47 1.00 30.03 10366 C VAL B 532 -20.057 7.203 71.47 1.00 30.03 10367 N PHE B 533 -19.628 6.225 70.643 1.00 29.65 10368 CA PHE B 533 -19.628 6.225 70.643 1.00 29.65 10369 CB PHE B 533 -19.333 5.270 68.387 1.00 29.69 10370 CG PHE B 533 -20.300 4.842 67.109 1.00 30.85 10371 CD1 PHE B 533 -20.000 4.842 67.109 1.00 30.85 10372 CE1 PHE B 533 -20.000 5.391 66.164 1.00 31.21 10373 CZ PHE B 533 -21.010 5.391 66.164 1.00 31.21 10373 CZ PHE B 533 -21.010 5.391 66.685 1.00 32.15 10376 C PHE B 533 -20.863 3.119 66.685 1.00 32.15 10375 CD2 PHE B 533 -21.244 4.055 64.754 1.00 29.79 10376 C PHE B 533 -21.244 4.055 64.754 1.00 29.79 10377 O PHE B 533 -21.244 3.805 66.164 1.00 29.95 10378 N ARG B 534 -22.629 5.217 65.116 1.00 29.95 10380 CB ARG B 534 -24.746 4.941 70.382 1.00 29.47 10380 CB ARG B 534 -24.746 4.941 70.382 1.00 29.47 10380 CB ARG B 534 -24.746 4.941 70.382 1.00 29.95 10386 NH ARG B 534 -24.746 4.941 70.382 1.00 29.95 10386 NH ARG B 534 -24.746 4.941 70.382 1.00 29.96 10381 CG ARG B 534 -24.746 4.941 70.382 1.00 29.96 10385 NH ARG B 534 -24.635 63.79 73.830 1.00 33.78 10386 NH ARG B 534 -24.615 4.101 68.052 1.00 29.10 10386 NH ARG B 534 -24.615 4.101 68.052 1.00 29.10 10387 C ARG B 534 -24.615 4.101 68.052 1.00 29.10 10388 N LEU B 535 -25.160 2.897 67.971 1.00 28.76 10399 C LEU B 535 -25.160 2.897 67.971 1.00 28.76 10393 CD LEU B 535 -24.564 1.333 66.662 66.28 1.00 28.86 10393 CD LEU B 535 -25.647 1.339											
10364 CG2 VAL B 532											
10366 C											
10366 C											
10367 N											
10368 CA											
10369 CB PHE B 533											
10370											
10371 CDI PHE B 533 -20.391 5.783 66.164 1.00 31.21 10372 CEI PHE B 533 -21.244 4.055 64.754 1.00 31.59 10373 CZ PHE B 533 -21.244 4.055 64.754 1.00 31.59 10374 CE2 PHE B 533 -20.863 3.119 65.685 1.00 32.15 10375 CD2 PHE B 533 -20.251 3.511 66.855 1.00 32.15 10376 C PHE B 533 -21.234 3.836 70.234 1.00 29.79 10377 O PHE B 533 -21.234 3.836 70.234 1.00 29.79 10378 N ARG B 534 -22.629 5.217 69.116 1.00 29.94 10379 CA ARG B 534 -24.764 4.941 70.382 1.00 29.69 10381 CG ARG B 534 -24.768 4.941 70.382 1.00 29.69 10382 CD ARG B 534 -24.083 5.232 71.717 1.00 30.30 10383 NE ARG B 534 -24.534 6.069 74.886 1.00 31.78 10385 NH ARG B 534 -23.566 4.795 75.663 1.00 34.14 10386 NH2 ARG B 534 -23.566 4.795 75.663 1.00 34.14 10386 NH2 ARG B 534 -23.566 4.795 75.673 1.00 38.43 10386 NH2 ARG B 534 -23.566 4.795 75.673 1.00 28.76 10387 C ARG B 534 -24.615 4.101 68.052 1.00 29.10 10388 N LEU B 535 -25.607 2.562 66.924 1.00 28.76 10390 CA LEU B 535 -25.647 1.339 66.162 1.00 28.76 10393 CB LEU B 535 -24.323 0.513 66.622 1.00 27.84 10393 CB LEU B 535 -24.323 0.513 66.622 1.00 27.84 10393 CD LEU B 535 -24.323 0.513 66.622 1.00 27.84 10393 CD LEU B 535 -24.323 0.513 66.622 1.00 27.84 10393 CD LEU B 535 -24.323 0.513 66.628 1.00 28.86 10393 CD LEU B 535 -24.323 0.513 66.628 1.00 28.86 10393 CD LEU B 535 -24.323 0.512 66.628 0.00 27.84 10393 CD LEU B 535 -24.323 0.526 66.624 1.00 28.86 10393 CD LEU B 535 -24.323 0.526 66.624 1.00 28.86 10394 CD LEU B 535 -24.323 0.526 66.624 1.00 28.86 10395 CD LEU B 535 -24.323 0.526 66.624 1.00 28.86 10396 CD CD CD CD CD											
10372 CE1 PHE B 533											
10373 CZ											
10374 CE2 PHE B 533											
10376 CD2 PHE B 533 -20.251 3.511 66.855 1.00 30.29 10376 C PHE B 533 -21.434 3.836 70.234 1.00 29.79 10377 O PHE B 533 -21.234 3.836 70.234 1.00 29.79 10378 N ARG B 534 -22.629 5.217 69.116 1.00 29.94 10380 CB ARG B 534 -23.802 4.355 69.313 1.00 29.45 10381 CG ARG B 534 -24.746 4.941 70.332 1.00 29.69 10382 CD ARG B 534 -24.746 4.941 70.332 1.00 29.69 10383 NE ARG B 534 -24.534 6.379 73.830 1.00 30.50 10384 CZ ARG B 534 -24.534 6.379 73.830 1.00 33.78 10385 NH ARG B 534 -23.814 6.069 74.886 1.00 34.14 10385 NH ARG B 534 -23.866 4.795 75.673 1.00 28.76 10386 NE ARG B 534 -23.566 4.795 75.673 1.00 28.76 10387 C ARG B 534 -24.615 4.101 68.052 1.00 29.10 10388 N LEU B 535 -25.160 2.897 67.911 1.00 28.76 10390 CA LEU B 535 -25.647 1.339 66.162 1.00 27.84 10391 CB LEU B 535 -25.647 1.339 66.162 1.00 27.84 10393 CD LEU B 535 -24.323 1.513 65.428 1.00 27.88 10393 CD LEU B 535 -24.323 1.513 65.428 1.00 27.88 100393 CD LEU B 535 -24.323 1.513 65.428 1.00 27.88 100393 CD LEU B 535 -24.323 1.513 65.428 1.00 27.88 100390 CD LEU B 535 -24.323 1.513 65.428 1.00 27.88											
10376 C											
10378 N ARG B 534 -22.629 5.217 69.116 1.00 29.95 10378 CA ARG B 534 -22.629 5.217 69.116 1.00 29.94 10380 CB ARG B 534 -24.802 4.355 69.313 1.00 29.47 10381 CG ARG B 534 -24.746 4.941 70.382 1.00 29.69 10382 CD ARG B 534 -24.803 5.232 71.717 1.00 30.30 10382 CD ARG B 534 -25.055 5.408 72.882 1.00 30.50 10383 NE ARG B 534 -24.334 6.379 73.830 1.00 33.78 10384 CZ ARG B 534 -23.814 6.069 74.886 1.00 34.14 10385 NH1 ARG B 534 -23.814 6.069 74.866 1.00 34.14 10386 NH2 ARG B 534 -23.360 7.015 75.673 1.00 28.76 10387 C ARG B 534 -24.615 4.101 68.052 1.00 29.10 10388 N LEU B 535 -25.160 2.897 67.182 1.00 28.76 10390 CA LEU B 535 -25.647 1.339 66.162 1.00 27.84 10391 CB LEU B 535 -25.647 1.339 66.162 1.00 27.84 10393 CD LEU B 535 -24.323 1.513 65.428 1.00 28.86 10393 CD LEU B 535 -24.323 1.513 65.428 1.00 28.86 10393 CD LEU B 535 -24.323 1.513 65.428 1.00 28.86 10393 CD LEU B 535 -24.323 1.513 65.428 1.00 28.86 10393 CD LEU B 535 -24.323 1.513 65.428 1.00 28.86 10393 CD LEU B 535 -24.323 1.513 65.428 1.00 28.86 10393 CD LEU B 535 -23.894 0.272 64.628 1.00 28.86											
10378 N ARG B 534 -23.629 5.217 69.116 1.00 29.94 10380 CB ARG B 334 -23.802 4.355 69.313 1.00 29.47 10380 CB ARG B 534 -24.746 4.941 70.382 1.00 29.47 10382 CD ARG B 534 -24.508 5.232 71.171 1.00 30.30 10383 NE ARG B 534 -24.534 6.379 73.830 1.00 33.78 10384 CZ ARG B 534 -23.566 4.795 75.633 1.00 34.74 10385 NH1 ARG B 534 -23.566 4.795 75.633 1.00 28.43 10386 NH2 ARG B 534 -24.615 4.101 68.052 1.00 29.10 10389 N LEU B 535 <td< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td<>											
10379 CA ARG B 534 -23.802 4.355 69.313 1.00 29.47 10380 CB ARG B 534 -24.083 5.222 71.717 1.00 29.69 10381 CG ARG B 534 -24.083 5.222 71.717 1.00 30.50 10383 NE ARG B 534 -24.534 6.379 73.830 1.00 33.78 10384 CZ ARG B 534 -23.814 6.069 74.886 1.00 34.14 10385 NH1 ARG B 534 -23.814 6.069 75.673 1.00 28.76 10386 NH2 ARG B 534 -23.814 6.109 75.673 1.00 28.76 10388 N ZARG B 534 -24.615 4.101 68.052 1.00 28.76 10389 N LEU B 535 <t< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></t<>											
10380 CB ARG B 534 -24.746 4.941 70.382 1.00 29.69 10381 CG ARG B 334 -24.083 5.232 71.717 1.00 30.35 10382 CD ARG B 534 -25.055 5.408 72.882 1.00 30.50 10384 CZ ARG B 534 -23.814 6.069 74.886 1.00 34.43 10385 NH1 ARG B 534 -23.566 4.795 75.663 1.00 38.43 10386 NH2 ARG B 534 -23.566 4.795 75.663 1.00 38.43 10387 C ARG B 534 -24.615 4.101 68.052 1.00 29.10 10388 O ARG B 534 -24.753 4.958 67.182 1.00 28.45 10390 CA LEU B 535 <td< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td<>											
10381 CG ARG B 534 -24.083 5.232 71.717 1.00 30.30 10382 CD ARG B 534 -24.534 6.379 73.830 1.00 30.50 10384 CZ ARG B 534 -23.814 6.069 74.886 1.00 34.14 10385 NH1 ARG B 534 -23.666 4.795 75.163 1.00 38.78 10386 NL2 ARG B 534 -23.660 7.015 75.673 1.00 29.10 10387 C ARG B 534 -24.615 4.101 68.052 1.00 29.10 10388 O ARG B 534 -24.753 4.958 67.182 1.00 29.10 10389 N LEU B 535 -25.160 2.897 67.911 1.00 28.76 10390 CA LEU B 535											
10382 CD ARG B 534 -25.055 5.408 72.882 1.00 30.50 10383 NE ARG B 534 -24.534 6.369 73.882 1.00 33.78 10384 CZ ARG B 534 -23.814 6.069 74.886 1.00 34.14 10385 NH1 ARG B 534 -23.566 4.795 75.673 1.00 28.43 10387 C ARG B 534 -24.615 4.101 68.052 1.00 29.10 10380 N LEU B 534 -24.615 4.101 68.052 1.00 29.10 10380 N LEU B 535 -25.160 2.897 67.91 1.00 28.76 10390 CA LEU B 535 -25.160 2.897 67.91 1.00 28.72 10391 CB LEU B 535 -25											
10383 NE ARG B 534 -24.534 6.379 73.830 1.00 33.78 10385 NH1 ARG B 534 -23.566 4.795 75.163 1.00 38.43 10386 NH2 ARG B 534 -23.360 7.015 75.673 1.00 28.76 10387 C ARG B 534 -24.753 4.958 67.182 1.00 28.45 10389 N LEU B 535 -25.160 2.897 67.971 1.00 28.76 10390 C LEU B 535 -26.699 2.562 66.924 1.00 28.76 10391 CB LEU B 535 -24.323 1.339 66.162 1.00 28.76 10392 CG LEU B 535 -24.543 1.339 66.162 1.00 28.76 10392 CG LEU B 535											
10384 CZ ARG B 534 -23.814 6.069 74.886 1.00 34.14 10385 NH1 ARG B 534 -23.566 4.795 75.163 1.00 38.43 10387 C ARG B 534 -24.615 4.101 68.052 1.00 29.10 10388 O ARG B 534 -24.615 4.101 68.052 1.00 29.10 10389 N LEU B 535 -25.160 2.897 67.191 1.00 28.76 10390 C A LEU B 535 -26.699 2.526 66.924 1.00 28.76 10391 CB LEU B 535 -25.647 1.339 66.162 1.00 27.84 10392 CG LEU B 535 -24.323 1.513 65.428 1.00 28.86 10393 CD LEU B 535 -24.323 1.513 65.428 1.00 28.86 10393	10383	NE	ARG	В	534	-24.5	534	6.379			33.78
10385 NH1 ARG 8 534 -23.566 4.795 75.163 1.00 38.43 10386 NH2 ARG 8 534 -23.636 7.015 75.673 1.00 28.76 10387 C ARG 8 534 -24.615 4.101 68.052 1.00 29.10 10389 N LEU 8 535 -25.160 2.897 67.971 1.00 28.75 10390 CA LEU 8 535 -25.649 2.522 66.162 1.00 28.27 10391 CB LEU 8 535 -25.647 1.339 66.162 1.00 28.76 10392 CG LEU 8 535 -24.323 1.513 66.162 1.00 28.86 10393 CD LEU 8 535 -24.323 1.513 65.282 1.00 28.86	10384	CZ	ARG	В	534				74.88	6 1.00	
10387 C ARG B 534 -24.615 4.101 68.052 1.00 29.10 10388 O ARG B 534 -24.753 4.958 67.182 1.00 28.45 10389 N LEU B 535 -25.160 2.897 67.971 1.00 28.76 10390 CA LEU B 535 -26.099 2.562 66.924 1.00 28.27 10391 CB LEU B 535 -25.647 1.339 66.162 1.00 27.84 10392 CG LEU B 535 -24.323 1.513 65.428 1.00 28.86 10393 CD1 LEU B 535 -23.984 0.272 64.628 1.00 27.84		NH1	ARG	В				4.795	75.16	3 1.00	38.43
10387 C ARG B 534 -24.615 4.101 68.052 1.00 29.10 10388 O ARG B 534 -24.753 4.958 67.182 1.00 28.45 10389 N LEU B 535 -25.160 2.897 67.971 1.00 28.76 10390 CA LEU B 535 -25.607 2.562 66.924 1.00 28.27 10391 CB LEU B 535 -25.647 1.339 66.162 1.00 28.87 10392 CG LEU B 535 -24.323 1.513 65.282 1.00 28.86 10393 CD1 LEU B 535 -23.984 0.272 64.628 1.00 27.87	10386	NH2	ARG	В	534	-23.3	360	7.015	75.67	3 1.00	28.76
10389 N LEU B 535 -25.160 2.897 67.971 1.00 28.76 10390 CA LEU B 535 -26.099 2.562 66.924 1.00 28.27 10391 CB LEU B 535 -25.647 1.339 66.162 1.00 27.84 10392 CG LEU B 535 -24.323 1.513 65.428 1.00 28.86 10393 CD LEU B 535 -23.984 0.272 64.628 1.00 27.87	10387	С	ARG	В	534	-24.6	615	4.101	68.05	2 1.00	
10389 N LEU B 535 -25.160 2.897 67.971 1.00 28.76 10390 CA LEU B 535 -26.099 2.562 66.924 1.00 28.27 10391 CB LEU B 535 -25.647 1.339 66.162 1.00 27.84 10392 CG LEU B 535 -24.323 1.513 65.428 1.00 28.86 10393 CD LEU B 535 -23.984 0.272 64.628 1.00 27.87			ARG	В	534						28.45
10391 CB LEU B 535 -25.647 1.339 66.162 1.00 27.84 10392 CG LEU B 535 -24.323 1.513 65.428 1.00 27.84 10393 CD1 LEU B 535 -23.984 0.272 64.628 1.00 27.87	10389	N	LEU	В	535			2.897	67.97	1 1.00	28.76
10391 CB LEU B 535 -25.647 1.339 66.162 1.00 27.84 10392 CG LEU B 535 -24.323 1.513 65.428 1.00 28.86 10393 CD1 LEU B 535 -23.984 0.272 64.628 1.00 27.87	10390	CA	LEU	В	535	-26.0	099	2.562	66.92	4 1.00	28.27
10392 CG LEU B 535 -24.323 1.513 65.428 1.00 28.86 10393 CD1 LEU B 535 -23.984 0.272 64.628 1.00 27.87	10391	CB	LEU	В		-25.0	647	1.339	66.16	2 1.00	27.84
	10392	CG	LEU	В	535	-24.3	323	1.513	65.42	8 1.00	28.86
	10393	CD1	LEU	В	535	-23.5	984	0.272	64.62	8 1.00	27.87
	10394	CD2	LEU	В	535	-24.3	397	2.736	64.52	3 1.00	

FIGURE 3 GV

	J
10395 C LEU B 535 -27.354 2.269 67.707 1.00 2	
10396 O LEU B 535 -27.497 1.183 68.281 1.00 2	
10397 N ASN B 536 -28.239 3.258 67.771 1.00 2	
10398 CA ASN B 536 -29.443 3.159 68.578 1.00 2	
10399 CB ASN B 536 -29.183 3.733 69.983 1.00 2	
10400 CG ASN B 536 -28.799 5.208 69.946 1.00 2	
	6.35
10402 ND2 ASN B 536 -28.564 5.800 71.113 1.00 2	
	7.21
10404 O ASN B 536 -30.562 4.331 66.817 1.00 2	
10405 N TRP B 537 -31.698 4.006 68.706 1.00 2	
	7.56
10407 CB TRP B 537 -33.956 4.692 69.254 1.00 2	
10408 CG TRP B 537 -35.300 5.118 68.741 1.00 2	
10409 CD1 TRP B 537 -35.942 4.662 67.625 1.00 2	
10410 NE1 TRP B 537 -37.153 5.291 67.485 1.00 2	4.25
10411 CE2 TRP B 537 -37.318 6.163 68.524 1.00 2	
10412 CD2 TRP B 537 -36.158 6.078 69.333 1.00 2	5.96
	4.95
10414 CZ3 TRP B 537 -37.135 7.719 70.782 1.00 2	3.71
10415 CH2 TRP B 537 -38.275 7.768 69.953 1.00 2	4.08
10416 CZ2 TRP B 537 -38.382 6.994 68.828 1.00 2	2.33
10417 C TRP B 537 -32.542 6.113 67.731 1.00 2	7.79
10418 O TRP B 537 -33.000 6.557 66.687 1.00 2	
10419 N ALA B 538 -31.727 6.829 68.498 1.00 2	7.68
10420 CA ALA B 538 -31.332 8.186 68.094 1.00 2	7.27
10421 CB ALA B 538 -30.361 8.803 69.110 1.00 2	6.36
10422 C ALA B 538 -30.701 8.143 66.714 1.00 2	7.27
10423 O ALA B 538 -30.956 8.991 65.878 1.00 2	7.73
10424 N THR B 539 -29.882 7.138 66.456 1.00 2	7.11
10425 CA THR B 539 -29.237 7.056 65.158 1.00 2	7.29
10426 CB THR B 539 -28.390 5.777 65.095 1.00 2	7.30
10427 OG1 THR B 539 -27.573 5.698 66.270 1.00 2	7.43
10428 CG2 THR B 539 -27.383 5.866 63.962 1.00 2	6.66
10429 C THR B 539 -30.253 7.059 64.013 1.00 2	7.41
10430 O THR B 539 -30.097 7.794 63.041 1.00 2	8.14
10431 N TYR B 540 -31.270 6.202 64.121 1.00 2	7.11
10432 CA TYR B 540 -32.339 6.125 63.122 1.00 2	6.32
10433 CB TYR B 540 -33.311 4.961 63.466 1.00 2	5.83
10434 CG TYR B 540 -34.783 5.253 63.168 1.00 2	4.15
10435 CD1 TYR B 540 -35.706 5.430 64.193 1.00 2	2.96
10436 CE1 TYR B 540 -37.043 5.678 63.919 1.00 2	2.68
10437 CZ TYR B 540 -37.464 5.787 62.608 1.00 2	3.79
10438 OH TYR B 540 -38.765 6.064 62.302 1.00 2	
10439 CE2 TYR B 540 -36.568 5.643 61.577 1.00 2	
10440 CD2 TYR B 540 -35.228 5.376 61.864 1.00 2	3.64
10441 C TYR B 540 -33.107 7.447 62.980 1.00 2	
	6.82
	6.28
10444 CA LEU B 541 -34.247 9.293 64.091 1.00 2	
10445 CB LEU B 541 -34.497 9.784 65.513 1.00 2	

FIGURE 3 GW

10446 CG LEU B 541 -35.466 9.000 66.378 1.00 26.10 10447 CD1 LEU B 541 -35.727 9.782 67.649 1.00 26.75 10448 CD2 LEU B 541 -36.758 8.750 65.620 1.00 25.55 10449 C LEU B 541 -33.578 10.405 63.299 1.00 27.47 10450 0 LEU B 541 -34.229 11.154 62.571 1.00 27.24 10451 N ALA B 542 -32.268 10.518 63.466 1.00 28.12
10447 CD1 LEU B 541 -35.727 9.782 67.649 1.00 26.75 10448 CD2 LEU B 541 -36.758 8.750 65.620 1.00 25.54 10449 C LEU B 541 -33.578 10.405 63.299 1.00 27.42 10450 O LEU B 541 -34.229 11.154 62.571 1.00 27.24 10451 N ALA B 542 -32.268 10.518 63.466 1.00 28.125
10448 CD2 LEU B 541 -36.758 8.750 65.620 1.00 25.54 10449 C LEU B 541 -33.578 10.405 63.299 1.00 27.47 10450 O LEU B 541 -34.229 11.154 62.571 1.00 27.24 10451 N ALA B 542 -32.268 10.518 63.466 1.00 28.12
10449 C LEU B 541 -33.578 10.405 63.299 1.00 27.47 10450 N ALA B 542 -32.268 10.518 63.466 1.00 28.12
10450 O LEU B 541 -34.229 11.154 62.571 1.00 27.24 10451 N ALA B 542 -32.268 10.518 63.466 1.00 28.12
10451 N ALA B 542 -32.268 10.518 63.466 1.00 28.12
10452 CA ALA B 542 -31.500 11.526 62.769 1.00 29.58
10453 CB ALA B 542 -30.172 11.751 63.478 1.00 29.49
10454 C ALA B 542 -31.261 11.144 61.325 1.00 30.14
10455 O ALA B 542 -31.455 11.962 60.423 1.00 30.83
10456 N SER B 543 -30.869 9.891 61.114 1.00 30.58
10457 CA SER B 543 -30.534 9.403 59.784 1.00 30.83
10458 CB SER B 543 -29.899 8.028 59.867 1.00 30.44
10459 OG SER B 543 -29.501 7.617 58.576 1.00 31.51
10460 C SER B 543 -31.668 9.326 58.797 1.00 31.21
10461 O SER B 543 -31.550 9.789 57.670 1.00 31.31
10462 N THR B 544 -32.759 8.687 59.205 1.00 32.02
10463 CA THR B 544 -33.885 8.473 58.308 1.00 31.66
10464 CB THR B 544 -34.515 7.100 58.611 1.00 32.14
10465 OG1 THR B 544 -33.545 6.064 58.384 1.00 32.56
10466 CG2 THR B 544 -35.623 6.774 57.635 1.00 31.12
10467 C THR B 544 -34.930 9.559 58.428 1.00 31.54
10468 O THR B 544 -35.516 9.973 57.428 1.00 32.90
10469 N GLU B 545 -35.171 10.028 59.645 1.00 30.93
10470 CA GLU B 545 -36.245 10.990 59.883 1.00 30.44
10471 CB GLU B 545 -37.056 10.607 61.121 1.00 30.22
10472 CG GLU B 545 -37.476 9.154 61.168 1.00 31.17
10473 CD GLU B 545 -38.478 8.816 60.102 1.00 31.65
10474 OE1 GLU B 545 -38.805 7.626 59.945 1.00 33.03
10475 OE2 GLU B 545 -38.948 9.745 59.428 1.00 33.96
10476 C GLU B 545 -35.803 12.436 60.017 1.00 30.28
10477 O GLU B 545 -36.647 13.314 60.231 1.00 29.86
10478 N ASN B 546 -34.497 12.671 59.906 1.00 29.77
10479 CA ASN B 546 -33.925 14.024 59.972 1.00 29.94
10480 CB ASN B 546 -34.234 14.834 58.725 1.00 29.97
10481 CG ASN B 546 -33.620 14.232 57.488 1.00 31.87
10482 OD1 ASN B 546 -34.321 13.778 56.591 1.00 33.83
10483 ND2 ASN B 546 -32.299 14.218 57.434 1.00 35.28
10484 C ASN B 546 -34.281 14.807 61.213 1.00 29.50
10485 O ASN B 546 -34.498 16.019 61.169 1.00 30.14
10486 N ILE B 547 -34.333 14.100 62.326 1.00 29.19
10487 CA ILE B 547 -34.577 14.721 63.609 1.00 28.81
10488 CB ILE B 547 -35.426 13.787 64.492 1.00 28.59
10489 CG1 ILE B 547 -36.751 13.460 63.803 1.00 26.88
10490 CD1 ILE B 547 -37.627 12.520 64.592 1.00 25.63
10491 CG2 ILE B 547 -35.654 14.432 65.856 1.00 26.86
10492 C ILE B 547 -33.225 14.903 64.264 1.00 28.95
10493 O ILE B 547 -32.350 14.055 64.125 1.00 29.39
10494 N ILE B 548 -33.032 16.009 64.960 1.00 29.52
10495 CA ILE B 548 -31.813 16.163 65.719 1.00 29.91
10496 CB ILE B 548 -31.404 17.636 65.803 1.00 30.67

FIGURE 3 GX

A	В	С	D	Е	F	G	H	I	J
			_	- 40	20.05				
10497	CG1			548	-31.05			1.00	31.31
10498	CD1			548	-30.81			1.00	32.35
10499	CG2			548	-30.21			1.00	29.86
10500	C			548	-32.14			1.00	29.97
10501	0			548	-33.18			1.00	30.56
10502	N	VAL		549	-31.30			1.00	30.13
10503	CA	VAL		549	-31.55			1.00	30.10
10504	CB	VAL		549	-31.92			1.00	30.19
10505	CG1	VAL		549	-31.53			1.00	31.17
10506	CG2	VAL			-31.38			1.00	29.16
10507	C	VAL			-30.41			1.00	30.23
10508	0	VAL			-29.25			1.00	30.38
10509	N	ALA		550	-30.78			1.00	30.33
10510	CA	ALA			-29.82			1.00	30.46
10511	CB	ALA			-30.01			1.00	30.64
10512	C	ALA			-29.93			1.00	30.61
10513	0	ALA		550	-30.98			1.00	30.50
10514	N	SER		551	-28.83			1.00	31.06
10515	CA	SER		551	-28.84			1.00	31.88
10516	CB			551	-28.31			1.00	31.90
10517	OG	SER			-28.92			1.00	31.37
10518	С			551	-28.03			1.00	32.32
10519	0	SER		551	-27.14			1.00	32.04
10520	N	PHE	В	552	-28.36			1.00	32.70
10521	CA	PHE	В	552	-27.74			1.00	32.31
10522	CB	PHE		552	-28.66			1.00	32.17
10523	CG	PHE		552	-28.12			1.00	32.00
10524	CD1	PHE	В	552	-27.18			1.00	32.75
10525	CE1	PHE	В	552	-26.67			1.00	31.83
10526	CZ	PHE	В	552	-27.08			1.00	30.43
10527	CE2	PHE	В	552	-28.01			1.00	32.93
10528	CD2	PHE	В	552	-28.52			1.00	30.89
10529	C	PHE		552	-27.50			1.00	32.19
10530	0	PHE	В	552	-28.38			1.00	32.10
10531	N	ASP		553	-26.29			1.00	32.28
10532	CA	ASP	В	553	-25.92			1.00	32.29
10533	CB	ASP		553	-24.55			1.00	32.17
10534	CG	ASP		553	-24.46			1.00	32.77
10535	OD1	ASP		553	-25.43			1.00	32.37
10536	OD2	ASP		553	-23.47			1.00	33.13
10537	C	ASP		553	-25.93			1.00	32.26
10538	0	ASP		553	-25.03			1.00	32.17
10539	N	GLY	В	554	-26.98		0 82.732	1.00	31.93
10540	CA	GLY		554	-27.08			1.00	32.51
10541	C	GLY		554	-26.73			1.00	32.51
10542	0	GLY		554	-25.99			1.00	31.81
10543	N	ARG	В	555	-27.23			1.00	32.88
10544	CA	ARG	В	555	-26.93			1.00	33.51
10545	CB	ARG		555	-27.63			1.00	33.65
10546	CG	ARG		555	-26.88			1.00	35.20
10547	CD	ARG	В	555	-27.61	4 24.31	7 88.459	1.00	35.52

FIGURE 3 GY

A	В	С	D	E	F	G	H	I	J
10548	NE	ARG			-28.703	24.722	87.584	1.00	36.97
10549	CZ	ARG		555	-29.567	25.663	87.907	1.00	36.91
10550		ARG		555	-29.435	26.274	89.082	1.00	35.24
10551	NH2	ARG			-30.544	25.998	87.065	1.00	35.09
10552	C	ARG			-27.318	19.374	87.515	1.00	33.51
10553	0	ARG		555	-28.183	18.759	86.856	1.00	33.65
10554	N	GLY		556	-26.640	18.845	88.526	1.00	33.18
10555	CA	GLY		556	-26.839	17.473	88.946	1.00	32.38
10556	C	GLY		556	-25.990	16.476	88.169	1.00	32.39
10557	0	GLY			-25.766	15.373	88.644	1.00	32.12
10558	N			557	-25.513	16.843	86.981	1.00	32.66
10559	CA			557	-24.705	15.901	86.198	1.00	33.46
10560	CB	SER		557	-24.502	16.376	84.760	1.00	33.48
10561	OG	SER		557	-24.336	17.779	84.695	1.00	36.23
10562	С			557	-23.372	15.544	86.871	1.00	32.98
10563	0	SER		557	-22.917	16.247	87.775	1.00	33.03
10564	N	GLY		558	-22.754	14.448	86.433	1.00	32.64
10565	CA	GLY		558	-21.533	13.973	87.058	1.00	31.98
10566	С	GLY		558	-20.212	14.257	86.369	1.00	31.63
10567	0	GLY			-20.162	14.804	85.272	1.00	30.81
10568	N	TYR			-19.122	13.907	87.051	1.00	32.06
10569	CA	TYR			-17.795	13.984	86.445	1.00	32.31
10570	CB	TYR		559	-17.816	13.166	85.150	1.00	31.85
10571	CG	TYR		559	-18.466	11.824	85.389	1.00	31.91
10572	CD1	TYR	В	559	-19.691	11.486	84.793	1.00	31.67
10573	CE1	TYR	В	559	-20.290	10.252	85.038	1.00	31.06
10574	CZ	TYR	В	559	-19.671	9.361	85.896	1.00	31.51
10575	OH	TYR		559	-20.234	8.141	86.176	1.00	29.87
10576	CE2	TYR	В	559	-18.474	9.695	86.507	1.00	32.01
10577	CD2	TYR		559	-17.887	10.918	86.251	1.00	30.62
10578	C	TYR	В	559	-17.313	15.415	86.184	1.00	32.86
10579	0	TYR	В	559	-16.400	15.627	85.384	1.00	33.13
10580	N	GLN	В	560	-17.931	16.392	86.843	1.00	33.01
10581	CA	GLN	В	560	-17.527	17.777	86.663	1.00	33.99
10582	CB	GLN	В	560	-18.528	18.546	85.815	1.00	34.05
10583	CG	GLN	В	560	-18.688	18.047	84.421	1.00	34.49
10584	CD	GLN	В	560	-20.057	18.380	83.874	1.00	35.71
10585	OE1	GLN	В	560	-20.234	19.389	83.187	1.00	36.71
10586	NE2	GLN	В	560	-21.034	17.543	84.190	1.00	35.92
10587	C	GLN	В	560	-17.337	18.507	87.971	1.00	34.22
10588	0	GLN	В	560	-17.092	19.703	87.973	1.00	34.78
10589	N	GLY	В	561	-17.433	17.788	89.082	1.00	34.69
10590	CA	GLY	В	561	-17.258	18.397	90.381	1.00	34.77
10591	С	GLY	В	561	-18.543	18.417	91.179	1.00	35.33
10592	0	GLY	В	561	-19.642	18.421	90.607	1.00	35.93
10593	N	ASP	В	562	-18.396	18.398	92.500	1.00	35.27
10594	CA	ASP	В	562	-19.506	18.442	93.425	1.00	35.86
10595	CB	ASP	В	562	-18.993	18.303	94.866	1.00	35.66
10596	CG	ASP	В	562	-18.734	16.849	95.272	1.00	37.04
10597	OD1	ASP	В	562	-18.796	15.958	94.392	1.00	38.30
10598	OD2	ASP	В	562	-18.478	16.489	96.456	1.00	37.08

FIGURE 3 GZ

A	В	C	D	Е	F	G	H	I	J
10599	С	ASP	В	562	-20.319	19.736	93.257	1.00	36.45
10600	0	ASP	В	562	-21.482	19.807	93.643	1.00	36.43
10601	N	LYS	В	563	-19.723	20.760	92.661	1.00	37.15
10602	CA	LYS	В	563	-20.461	22.004	92.485	1.00	37.86
10603	CB	LYS	В	563	-19.570	23.108	91.925	1.00	37.97
10604	CG	LYS	В	563	-20.311	24.262	91.289	1.00	40.44
10605	CD	LYS	В	563	-21.242	24.999	92.266	1.00	44.52
10606	CE	LYS	В	563	-21.799	26.278	91.615	1.00	46.39
10607	NZ	LYS		563	-23.034	26.785	92.282	1.00	48.60
10608	C	LYS	В	563	-21.674	21.750	91.600	1.00	37.60
10609	0	LYS	В	563	-22.795	22.130	91.937	1.00	37.35
10610	N			564	-21.441	21.095	90.473	1.00	37.54
10611	CA	ILE		564	-22.521	20.740	89.574	1.00	36.89
10612	CB	ILE	В	564	-21.958	20.391	88.203	1.00	37.38
10613	CG1	ILE		564	-21.528	21.665	87.475	1.00	36.18
10614	CD1	ILE	В	564	-20.505	21.393	86.420	1.00	37.37
10615	CG2	ILE		564	-22.990	19.622	87.382	1.00	36.46
10616	C	ILE		564	-23.328	19.570	90.135	1.00	36.51
10617	0	ILE	В	564	-24.539	19.668	90.286	1.00	36.37
10618	N	MET	В	565	-22.649	18.492	90.509	1.00	35.66
10619	CA	MET	В	565	-23.346	17.291	90.945	1.00	35.05
10620	CB	MET		565	-22.362	16.141	91.183	1.00	35.47
10621	CG	MET	В	565	-23.040	14.771	91.292	1.00	34.19
10622	SD	MET	В	565	-21.862 -21.356	13.428	91.484 93.122	1.00	33.63
10623	CE		В	565	-21.356	13.686	93.122	1.00	
10624 10625	C	MET	В	565 565	-24.221	17.446 16.843	92.176	1.00	35.16
10625	N	HIS		566	-23.284	18.235	93.151	1.00	35.16
10627	CA	HIS	В	566	-24.552	18.368	94.387	1.00	35.53
10628	CB	HIS		566	-23.617	18.551	95.591	1.00	35.78
10629	CG	HIS		566	-22.923	17.293	96.018	1.00	38.07
10630	ND1	HIS		566	-23.198	16.063	95.456	1.00	39.45
10631		HIS		566	-22.451	15.140	96.038	1.00	39.87
10632	NE2	HIS		566	-21.704	15.726	96.959	1.00	39.19
10633		HIS		566	-21.982	17.071	96.968	1.00	38.79
10634	C	HIS		566	-25.609	19.480	94.351	1.00	35.11
10635	ō	HIS		566	-26.342	19.695	95.320	1.00	35.67
10636	N	ALA		567	-25.701	20.193	93.245	1.00	34.61
10637	CA	ALA	В	567	-26.676	21.273	93.166	1.00	34.81
10638	CB	ALA	В	567	-26.582	21.946	91.832	1.00	34.30
10639	С	ALA	В	567	-28.129	20.828	93.455	1.00	35.03
10640	0	ALA	В	567	-28.921	21.603	93.973	1.00	35.23
10641	N	ILE	В	568	-28.464	19.577	93.149	1.00	34.76
10642	CA	ILE	В	568	-29.834	19.098	93.279	1.00	34.48
10643	CB	ILE	В	568	-30.242	18.257	92.020	1.00	34.57
10644	CG1	ILE		568	-29.180	17.203	91.676	1.00	33.61
10645	CD1	ILE	В	568	-28.959	16.175	92.728	1.00	34.77
10646	CG2	ILE		568	-30.396	19.155	90.803	1.00	32.25
10647	C	ILE	В	568	-30.056	18.319	94.565	1.00	35.25
10648	0	ILE		568	-31.076	17.649	94.730	1.00	35.69
10649	N	ASN	В	569	-29.093	18.413	95.472	1.00	35.41

FIGURE 3 HA

A	В	С	D	Е	\mathbf{F}	G	Н	1	J
10650	CA	ASN			-29.154	17.734	96.759	1.00	36.04
10651	CB	ASN			-27.907	18.065	97.590	1.00	36.33
10652	CG	ASN		569	-27.894	17.371	98.934	1.00	37.79
10653		ASN		569	-27.682	18.013	99.962	1.00	42.19
10654	ND2	ASN		569	-28.108	16.061	98.943	1.00	37.45
10655	C	ASN		569	-30.413	18.126	97.504	1.00	36.25
10656	0	ASN		569	-30.705	19.311	97.643	1.00	36.62
10657	N	ARG		570	-31.169	17.123	97.952	1.00	36.24
10658	CA	ARG		570	-32.410	17.337	98.682	1.00	36.46
10659	CB	ARG		570	-32.151	18.128	99.973	1.00	36.84
10660	CG	ARG		570	-31.252	17.434	101.001	1.00	37.76
10661	CD	ARG		570	-31.041	18.262	102.276	1.00	40.27
10662	NE	ARG		570	-32.317	18.656	102.880	1.00	40.70
10663	CZ	ARG		570	-32.968	17.917	103.763	1.00	40.23
10664	NH1	ARG		570	-32.459	16.754	104.151	1.00	39.98
10665	NH2	ARG		570	-34.125	18.336	104.258	1.00	40.21
10666	С	ARG		570	-33.459	18.052	97.837	1.00	36.25
10667	0	ARG		570	-34.534	18.389	98.325	1.00	35.95
10668	N	ARG		571	-33.159	18.258	96.560	1.00	36.43
10669	CA	ARG		571	-34.050	19.022	95.702	1.00	36.27
10670	CB	ARG		571	-33.518	20.446	95.568	1.00	37.14
10671	CG	ARG		571	-34.595	21.519	95.634	1.00	40.76
10672	CD	ARG		571	-34.789	22.148	97.013	1.00	44.21
10673	NE	ARG		571	-35.108	21.171	98.043	1.00	45.29
10674	CZ	ARG		571	-35.243	21.471	99.330	1.00	46.29
10675	NH1	ARG		571	-35.531	20.517	100.218	1.00	44.37
10676	NH2	ARG		571	-35.081	22.726	99.730	1.00	46.11
10677	С	ARG		571	-34.207	18.388	94.327	1.00	35.45
10678	0	ARG		571	-34.071	19.048	93.298	1.00	35.23
10679	N	LEU		572	-34.481	17.091	94.307	1.00	35.01
10680	CA	LEU		572	-34.735	16.401	93.045	1.00	34.53
10681	CB	LEU		572	-34.969	14.913	93.293	1.00	34.67
10682	CG	LEU		572	-33.819	13.949	93.040	1.00	34.88
10683	CD1	LEU		572	-33.944	12.764	93.977	1.00	34.07
10684	CD2	LEU		572	-32.479	14.628	93.169	1.00	33.53
10685	C	LEU	В	572	-35.977	16.984	92.389	1.00	33.75
10686	0	LEU		572	-36.930	17.368	93.062	1.00	33.76
10687	N	GLY	В	573	-35.964	17.065	91.073	1.00	32.83
10688	CA	GLY		573	-37.100	17.588	90.353	1.00	32.59
10689	С	GLY		573	-37.106	19.087	90.209	1.00	32.24
10690	0	GLY		573	-38.161	19.662	89.947	1.00	32.58
10691	N	THR		574	-35.954	19.728	90.375	1.00	31.52
10692	CA	THR		574	-35.867	21.193	90.230	1.00	31.33
10693	CB	THR		574	-35.477	21.880	91.591	1.00	31.68
10694	0G1	THR		574	-34.339	21.214	92.153	1.00	29.87
10695	CG2	THR		574	-36.555	21.646	92.658	1.00	30.59
10696	С	THR		574	-34.902	21.659	89.136	1.00	31.34
10697	0		В	574	-35.268	21.766	87.971	1.00	30.98
10698	N	PHE	В	575	-33.661	21.931	89.531	1.00	31.94
10699	CA	PHE	В	575	-32.640	22.450	88.621	1.00	32.58
10700	CB	PHE	В	575	-31.329	22.632	89.387	1.00	32.81

FIGURE 3 HB

A	В	C	D	E		F		G		H	I	J
10701	CG	PHE	В	575		31.386		23.712		.438	1.00	33.47
10702	CD1	PHE	В	575		32.083		24.893		.204	1.00	34.26
10703	CE1	PHE		575		32.127		25.899		.155	1.00	34.50
10704	CZ		В	575		31.479		25.732		.374		34.35
10705	CE2		В	575		30.793		24.557		627	1.00	35.05
10706	CD2	PHE		575		30.747		23.551		.656	1.00	34.35
10707	C		В	575		32.438		21.579		.374	1.00	33.10
10708	0	PHE		575		32.447		22.076		.240	1.00	33.70
10709	N	GLU		576		32.223		20.288		.609	1.00	32.96
10710	CA	GLU		576		32.090		19.264		.576	1.00	33.38
10711	CB	GLU		576		32.298		17.936		.279	1.00	33.76
10712	CG	GLU		576		33.338		18.161		.384	1.00	36.02
10713	CD	GLU		576		33.855		16.885		957	1.00	38.90
10714	OE1	GLU		576		33.478		15.815		.461	1.00	40.73
10715	OE2	GLU		576		34.625		16.950		.918	1.00	43.20
10716	C	GLU		576		33.210		19.390		.559	1.00	32.87
10717	0	GLU		576		32.994		19.354		.354	1.00	32.82
10718	N	VAL		577		34.430		19.496		.067	1.00	32.68
10719	CA	VAL		577		35.588		19.679		.225	1.00	32.75
10720	CB	VAL		577		36.880		19.669		.074	1.00	32.71
10721	CG1	VAL		577		37.068		18.331		.760	1.00	33.07
10722	CG2	VAL		577		38.082		19.995		.235	1.00	31.84
10723	С	VAL		577		35.436		21.032		.533	1.00	33.08
10724	0	VAL		577		35.497		21.124		.315	1.00	32.79
10725	N	GLU		578		35.194		22.077		.325	1.00	33.64
10726	CA	GLU		578		35.077		23.436		.793	1.00	34.20
10727	CB	GLU		578		34.875		24.444		.931	1.00	34.96
10728	CG	GLU		578		36.095		24.555		.849	1.00	38.55
10729	CD	GLU		578		35.791		25.183		.209	1.00	43.37
10730	OE1	GLU		578		36.143		24.559		.232	1.00	45.40
10731	OE2	GLU		578		35.214		26.296		.269	1.00	44.63
10732	С	GLU		578		33.992		23.575		.740	1.00	33.39
10733	0	GLU		578		34.157		24.326		.789	1.00	33.04
10734	N	ASP		579		32.904		22.816		.881	1.00	33.17
10735	CA	ASP		579		31.781		22.940		.952	1.00	32.69
10736	CB	ASP		579		30.491		22.411		.587	1.00	33.66
10737	CG	ASP		579		29.996		23.282		.751	1.00	34.52
10738	OD1	ASP		579		30.589		24.347		.036	1.00	35.69
10739	OD2	ASP		579		29.012		22.975		.449	1.00	37.32
10740	С	ASP		579		32.040		22.329		.566	1.00	32.13
10741	0	ASP		579		31.517		22.815		.568	1.00	32.02
10742	N	GLN		580		32.852		21.272		.498	1.00	31.39
10743	CA	GLN				33.224		20.686		.208	1.00	30.77
10744	CB	GLN				33.987		19.364		.402	1.00	30.25
10745	CG	GLN		580		33.192		18.302		.128		28.35
10746	CD	GLN		580		32.087		17.731		.274	1.00	
10747	OE1	GLN		580		32.331		17.356		.135	1.00	26.87
10748	NE2	GLN		580		30.874		17.673		.811		22.34
10749	C	GLN		580		34.096		21.661		.425	1.00	31.03
10750	0	GLN		580		33.985		21.772		.213		31.52
10751	N	ILE	В	581	-	34.991	2	22.360	80	.110	1.00	31.20

FIGURE 3 HC

A	В	C	D	E	F	G	H	I	J
10752	CA	ILE	В	581	-35.801	23.342	79.417	1.00	31.85
10753	CB	ILE	В	581	-36.861	23.940	80.365	1.00	32.05
10754	CG1	ILE		581	-37.834	22.858	80.832	1.00	31.00
10755	CD1	ILE	В	581	-38.632	23.258	82.037	1.00	30.97
10756	CG2	ILE		581	-37.597	25.053	79.678	1.00	30.17
10757	C	ILE		581	-34.891	24.446	78.870	1.00	32.71
10758	Ö	ILE	В	581	-34.969	24.809	77.701	1.00	33.46
10759	N	GLU		582	-34.012	24.966	79.723	1.00	33.21
10760	CA	GLU		582	-33.097	26.018	79.315	1.00	33.79
10761	CB	GLU		582	-32.262	26.491	80.517	1.00	34.12
10762	CG	GLU		582	-31.310	27.651	80.234	1.00	36.22
10763	CD	GLU		582	-32.004	28.887	79.664	1.00	39.46
10764	OE1	GLU		582	-31.339	29.644	78.914	1.00	40.85
10765	OE2	GLU		582	-33.204	29.105	79.959	1.00	39.16
10766	C	GLU		582	-32.216	25.536	78.160	1.00	33.82
10767	ō	GLU		582	-31.911	26.296	77.252	1.00	33.39
10768	N	ALA		583	-31.827	24.264	78.195	1.00	33.90
10769	CA	ALA		583	-31.024	23.688	77.123	1.00	34.37
10770	CB	ALA		583	-30.724	22.211	77.411	1.00	33.98
10771	c	ALA		583	-31.757	23.810	75.803	1.00	34.95
10772	ō	ALA		583	-31.205	24.290	74.824	1.00	35.07
10773	N	ALA			-33.011	23.366	75.797	1.00	35.74
10774	CA	ALA		584	-33.850	23.412	74.607	1.00	36.83
10775	CB	ALA		584	-35.240	22.854	74.916	1.00	36.57
10776	С	ALA	В	584	-33.966	24.826	74.068	1.00	37.33
10777	0	ALA	В	584	-33.833	25.049	72.865	1.00	37.77
10778	N	ARG	В	585	-34.243	25.774	74.954	1.00	38.17
10779	CA	ARG	В	585	-34.320	27.180	74.561	1.00	39.25
10780	CB	ARG	В	585	-34.476	28.072	75.792	1.00	38.94
10781	CG	ARG	В	585	-35.733	27.835	76.597	1.00	39.58
10782	CD	ARG	В	585	-36.191	29.063	77.366	1.00	40.42
10783	NE	ARG	В	585	-36.713	28.721	78.685	1.00	41.24
10784	CZ	ARG	В	585	-37.988	28.809	79.028	1.00	42.41
10785	NH1	ARG	В	585	-38.892	29.226	78.145	1.00	43.90
10786	NH2	ARG	В	585	-38.367	28.480	80.255	1.00	42.34
10787	C	ARG	В	585	-33.040	27.585	73.835	1.00	39.97
10788	0	ARG	В	585	-33.074	28.246	72.788	1.00	40.01
10789	N	GLN	В	586	-31.910	27.184	74.416	1.00	40.89
10790	CA	GLN	В	586	-30.606	27.495	73.865	1.00	41.76
10791	CB	GLN	В	586	-29.514	27.026	74.826	1.00	41.88
10792	CG	GLN		586	-29.546	27.743	76.154	1.00	44.21
10793	CD	GLN			-29.185	29.209	76.023	1.00	48.06
10794	OE1	GLN		586	-28.453	29.581	75.106	1.00	49.53
10795	NE2	GLN		586	-29.688	30.047	76.941	1.00	48.56
10796	C	GLN		586	-30.466	26.822	72.516	1.00	41.89
10797	0	GLN		586	-30.032	27.439	71.542	1.00	41.76
10798	N		В	587	-30.839	25.546	72.453	1.00	42.18
10799	CA	PHE		587	-30.792	24.845	71.181	1.00	42.60
10800	CB	PHE	В	587	-31.264	23.404	71.333	1.00	42.25
10801	CG		В	587	-30.377	22.576	72.206	1.00	43.51
10802	CD1	PHE	В	587	-29.069	22.966	72.452	1.00	44.12

FIGURE 3 HD

A	В	C D	E	F	G	H	I	J
10803	CE1	PHE B		-28.242	22.209	73.266	1.00	44.69
10804	CZ	PHE B		-28.719	21.058	73.847	1.00	43.72
10805	CE2	PHE B		-30.026	20.664	73.616	1.00	44.68
10806	CD2	PHE B		-30.847	21.415	72.797	1.00	42.78
10807	C	PHE B		-31.587	25.605	70.101	1.00	42.70
10808	0	PHE B		-31.130	25.726	68.971	1.00	42.70
10809	N	SER B		-32.766	26.120	70.430	1.00	43.04
10810	CA	SER B		-33.493	26.881	69.415	1.00	44.12
10811	CB	SER B		-34.931	27.233	69.838	1.00	43.98
10812	OG	SER B		-35.115	27.130	71.241	1.00	44.78
10813	С	SER B		-32.717	28.125	69.020	1.00	44.46
10814	0	SER B		-32.516	28.385	67.841	1.00	44.86
10815	N	LYS B		-32.254	28.891	69.997	1.00	44.92
10816	CA	LYS B		-31.522	30.106	69.670	1.00	45.30
10817	CB	LYS B		-31.057	30.815	70.937	1.00	45.99
10818	CG	LYS B		-32.115	31.744	71.537	1.00	48.60
10819	CD	LYS B		-32.288	31.524	73.046	1.00	52.25
10820	CE	LYS B		-33.778	31.463	73.447	1.00	54.10
10821	NZ	LYS B		-33.964	31.373	74.926	1.00	54.99
10822	С	LYS B		-30.340	29.836	68.733	1.00	44.98
10823	0	LYS B		-29.896	30.742	68.015	1.00	45.18
10824	N		590	-29.849	28.596	68.726	1.00	43.88
10825	CA	MET B		-28.717	28.220	67.870	1.00	43.03
10826	CB	MET B		-28.229	26.810	68.177	1.00	43.06
10827	CG	MET B		-27.241	26.785	69.297	1.00	43.29
10828	SD	MET B		-26.855	25.139	69.824	1.00	42.52
10829	CE	MET B		-26.228	25.512	71.454	1.00	40.60
10830	С	MET B		-28.946	28.364	66.372	1.00	42.27
10831	0	MET B		-27.989	28.366	65.604	1.00	42.05
10832	N	GLY B		-30.209	28.408	65.955	1.00	41.68
10833	CA	GLY B		-30.531	28.683	64.565	1.00	40.28
10834	С	GLY B		-30.969	27.606	63.595	1.00	39.89
10835	0	GLY B		-31.449	27.930	62.510	1.00	39.69
10836	N	PHE B		-30.807	26.336	63.955	1.00	39.16
10837	CA	PHE B		-31.180	25.258	63.051	1.00	38.88
10838	CB	PHE B		-29.943	24.481	62.631	1.00	39.01
10839	CG	PHE B		-28.947	24.311	63.734	1.00	39.41
10840	CD1	PHE B		-27.733	24.973	63.702	1.00	39.01
10841	CE1	PHE B		-26.820	24.811	64.720	1.00	38.57
10842	CZ	PHE B		-27.118	23.993	65.791	1.00	38.32
10843	CE2	PHE B		-28.327	23.326	65.834	1.00	39.40
10844	CD2	PHE B		-29.233	23.494	64.813	1.00	38.42
10845	С	PHE B		-32.202	24.329	63.702	1.00	38.46
10846	0	PHE B		-32.220	23.113	63.457	1.00	38.09
10847	N	VAL B		-33.049	24.922	64.536	1.00	37.77
10848	CA	VAL B		-34.079	24.181	65.245	1.00	37.24
10849	CB	VAL B		-33.778	24.100	66.746	1.00	37.03
10850	CG1	VAL B		-34.960	23.481	67.475	1.00	38.18
10851	CG2	VAL B		-32.525	23.289	66.993	1.00	35.08
10852	С	VAL B		-35.469	24.780	65.049	1.00	36.99
10853	0	VAL B	593	-35.669	25.975	65.183	1.00	37.00

FIGURE 3 HE

A	В	С	D	Е	F	G	Н	I	J
10854	N	ASP	В	594	-36.425	23.921	64.718	1.00	36.94
10855	CA	ASP		594	-37.811	24.326	64.546	1.00	36.41
10856	CB	ASP		594	-38.534	23.374	63.598	1.00	36.50
10857	CG	ASP		594	-39.998	23.712	63.447	1.00	35.85
10858		ASP		594	-40.682	23.044	62.656	1.00	35.54
10859	OD2	ASP	В	594	-40.553	24.641	64.073	1.00	37.18
10860	C	ASP		594	-38.531	24.370	65.891	1.00	36.63
10861	0	ASP		594	-38.871	23.337	66.479	1.00	35.76
10862	N	ASN	В	595	-38.763	25.592	66.346	1.00	37.09
10863	CA	ASN		595	-39.398	25.888	67.619	1.00	37.40
10864	CB	ASN	В	595	-39.615	27.392	67.730	1.00	38.21
10865	CG	ASN		595	-38.442	28.077	68.326	1.00	41.32
10866	OD1	ASN		595	-37.398	27.463	68.486	1.00	44.68
10867	ND2	ASN	В	595	-38.596	29.353	68.683	1.00	44.83
10868	C	ASN		595	-40.732 -41.198	25.238 25.121	67.829	1.00	36.33 35.77
10869 10870	N		В	595 596	-41.198	24.862	68.963 66.736	1.00	35.77
10870	CA	LYS		596	-41.370	24.862	66.840	1.00	35.44
10871	CB	LYS		596	-42.703	24.292	65.604	1.00	35.40
10873	CG	LYS		596	-43.862	26.079	65.433	1.00	37.84
10874	CD	LYS	В	596	-44.459	26.298	64.051	1.00	41.84
10875	CE		В	596	-43.501	25.866	62.928	1.00	45.03
10876	NZ	LYS		596	-42.146	26.569	62.900	1.00	43.27
10877	C	LYS		596	-42.643	22.780	66.988	1.00	33.77
10878	Ö	LYS		596	-43.663	22.133	67.193	1.00	33.83
10879	N	ARG		597	-41.446	22,222	66.880	1.00	32.37
10880	CA	ARG		597	-41.292	20.776	66.926	1.00	30.79
10881	CB	ARG		597	-41.179	20.224	65.519	1.00	30.90
10882	CG	ARG		597	-42.481	20.303	64.742	1.00	31.54
10883	CD	ARG		597	-42.440	19.570	63.422	1.00	31.38
10884	NE	ARG	В	597	-41.509	20.240	62.528	1.00	31.70
10885	CZ	ARG	В	597	-41.056	19.731	61.392	1.00	33.10
10886	NH1	ARG	В	597	-41.448	18.529	61.003	1.00	32.23
10887	NH2	ARG	В	597	-40.197	20.422	60.646	1.00	31.81
10888	C	ARG	В	597	-40.107	20.354	67.760	1.00	29.86
10889	0	ARG	В	597	-39.109	19.869	67.261	1.00	29.51
10890	N	ILE	В	598	-40.229	20.566	69.053	1.00	28.96
10891	CA	ILE	В	598	-39.206	20.150	69.976	1.00	28.37
10892	CB	ILE	В	598	-38.662	21.337	70.754	1.00	28.00
10893	CG1		В	598	-38.116	22.376	69.796	1.00	27.47
10894	CD1		В	598	-37.625	23.614	70.485	1.00	27.15
10895	CG2	ILE	В	598	-37.567	20.886	71.693	1.00	28.30
10896	C	ILE		598	-39.869	19.173	70.923	1.00	
10897	0	ILE	В	598	-40.916	19.457	71.495	1.00	27.15
10898	N	ALA		599	-39.260	18.010	71.084	1.00	28.09
10899	CA CB	ALA		599 599	-39.843 -40.346	17.015 15.821	71.960 71.150	1.00	27.94
10900	CB	ALA		599	-40.346		72.997	1.00	27.63
10901	0	ALA	В	599	-38.834	16.582 16.985	72.969	1.00	28.42
10902	N	ILE		600	-37.686	15.761	73.931	1.00	27.13
10903	CA			600	-38.343	15.288	74.931		26.72
10304	cn	111111111111111111111111111111111111111	ט	000	50.545	13.200	74.931	1.00	20.12

FIGURE 3 HF

10905 CB ILE B 600	A	В	С	D	E	F	G	H	I	J
10906 CGI ILE B 600 -37.506 15.685 77.298 1.00 27.36	10005	O.D.		_	c 0 0	20 400	16 107	76 100	1 00	06.71
10907 CDI ILE B 600 -37.320 16.685 78.503 1.00 30.58 10908 CGZ ILE B 600 -38.722 13.854 75.260 1.00 26.65 10910 CGZ ILE B 600 -38.722 13.854 75.260 1.00 26.65 10910 CGZ TRP B 601 -37.726 13.028 75.579 1.00 25.57 10911 N TRP B 601 -38.055 11.691 75.279 1.00 25.83 10913 CGZ TRP B 601 -38.055 11.691 75.979 1.00 25.83 10914 CGZ TRP B 601 -38.055 11.691 75.979 1.00 25.83 10914 CGZ TRP B 601 -37.071 9.993 74.383 1.00 23.01 10915 CDJ TRP B 601 -35.017 9.993 74.383 1.00 23.01 10915 CDJ TRP B 601 -35.137 9.367 73.438 1.00 20.135 10917 CCZ TRP B 601 -35.137 9.367 73.438 1.00 21.35 10917 CCZ TRP B 601 -35.6850 8.610 74.664 1.00 22.98 10919 CGZ TRP B 601 -37.075 98.251 74.067 1.00 21.02 10918 CDZ TRP B 601 -37.075 98.251 74.067 1.00 21.02 10919 CGZ TRP B 601 -37.086 6.354 75.478 1.00 24.97 10920 CZZ TRP B 601 -37.086 6.354 75.478 1.00 24.97 10921 CHZ TRP B 601 -37.086 6.354 74.664 1.00 23.82 10922 CZZ TRP B 601 -37.086 6.354 74.664 1.00 23.82 10922 CZZ TRP B 601 -37.086 6.354 74.664 1.00 23.82 10922 CZZ TRP B 601 -37.086 6.354 74.664 1.00 23.82 10922 CZZ TRP B 601 -37.086 6.374 74.616 1.00 23.90 10923 C TRP B 601 -37.086 11.616 76.929 1.00 25.90 10923 C TRP B 601 -37.086 11.616 76.929 1.00 25.90 10923 C TRP B 601 -37.086 11.619 76.919 1.00 25.90 10924 O TRP B 601 -37.086 11.619 76.919 1.00 25.90 10924 O TRP B 603 -36.463 9.646 76.929 1.00 25.54 10926 CGZ TRP B 603 -36.172 7.645 80.000 1.00 25.72 10929 N TRP B 603 -36.172 7.645 80.000 1.00 25.72 10930 CR TRP B 603 -36.172 7.645 80.000 1.00 25.72 10930 CR TRP B 603 -36.174 7.645 80.000 1.00 25.74 10937 CSZ TRP B 603 -36.176 6.329 79.948 1.00 25.67 1										
10908 CG2 ILE B 600 -39.884 16.280 76.672 1.00 25.85 10910 O ILE B 600 -38.722 13.854 75.260 1.00 26.55 10911 N TRP B 601 -37.726 13.028 75.558 1.00 26.55 10911 N TRP B 601 -38.055 11.691 75.979 1.00 25.63 10913 CB TRP B 601 -38.241 10.779 74.768 1.00 25.63 10915 CD TRP B 601 -36.013 10.407 73.628 1.00 20.91 10915 CD TRP B 601 -36.013 10.407 73.628 1.00 20.91 10916 NEI TRP B 601 -35.613 9.367 73.438 1.00 21.02 10916 NEI TRP B 601 -35.619 81.251 74.067 1.00 21.02 10918 CD TRP B 601 -35.619 81.251 74.067 1.00 21.02 10918 CD TRP B 601 -37.553 7.641 75.378 1.00 24.97 10920 CZ3 TRP B 601 -37.553 7.641 75.378 1.00 24.97 10920 CZ3 TRP B 601 -37.553 7.641 75.378 1.00 24.97 10920 CZ3 TRP B 601 -35.678 6.036 74.664 1.00 22.98 10920 CZ3 TRP B 601 -35.784 6.036 74.864 1.00 22.90 10924 CTRP B 601 -35.784 6.036 74.864 1.00 23.82 10922 CZ2 TRP B 601 -35.784 6.036 74.864 1.00 23.82 10922 CZ2 TRP B 601 -35.784 6.036 74.864 1.00 23.82 10922 CZ2 TRP B 601 -35.784 6.036 74.864 1.00 23.82 10925 N CLY B 602 -37.405 10.239 77.782 1.00 25.94 10925 N CLY B 602 -37.405 10.239 77.782 1.00 25.94 10925 N CLY B 602 -37.405 10.239 77.782 1.00 25.31 10926 CA CLY B 602 -37.405 10.239 77.782 1.00 25.17 10929 N TRP B 603 -36.172 7.645 80.000 1.00 25.72 10930 CA TRP B 603 -36.172 7.645 80.000 1.00 25.72 10933 CB TRP B 603 -36.340 3.148 81.105 1.00 25.41 10934 NEI TRP B 603 -36.340 3.148 81.105 1.00 25.41 10934 NEI TRP B 603 -36.617 6.372 80.626 1.00 25.45 10935 CE2 TRP B 603 -36.647 2.938 80.626 1.00 25.45 10934 NEI TRP B 603 -36.647 2.938 80.626 1.00 25.67 10934 NEI TRP B 603 -36.647 2.938 80.626 1.00 25.67 10934 NEI										
10910 O LIE B 600 -38.722 13.854 75.260 1.00 26.65										
10910 O ILE B 600 -39.891 13.491 75.239 1.00 25.57 10911 N TRP B 601 -37.726 13.028 75.578 1.00 26.24 10912 CA TRP B 601 -38.055 11.691 75.979 1.00 25.83 10913 CB TRP B 601 -37.071 9.993 74.383 1.00 25.63 10915 CD TRP B 601 -37.071 9.993 74.383 1.00 25.63 10915 CD TRP B 601 -36.013 10.407 73.628 1.00 20.91 10916 NEI TRP B 601 -35.619 8.251 74.067 1.00 21.02 10918 CD2 TRP B 601 -35.619 8.251 74.067 1.00 21.02 10918 CD2 TRP B 601 -35.658 8.610 74.664 1.00 22.98 10920 CZ3 TRP B 601 -37.553 7.641 75.378 1.00 24.55 10920 CZ3 TRP B 601 -37.553 7.641 75.378 1.00 24.55 10920 CZ3 TRP B 601 -35.079 6.974 74.161 1.00 22.00 10920 CZ3 TRP B 601 -35.079 6.974 74.161 1.00 22.00 10924 O TRP B 601 -35.784 6.036 74.864 1.00 23.82 10922 CZ2 TRP B 601 -35.784 6.036 74.864 1.00 25.94 10925 N GLY B 602 -37.405 10.239 77.782 1.00 25.93 10926 CA GLY B 602 -37.405 10.239 77.782 1.00 25.31 10926 CA GLY B 602 -37.405 10.239 77.782 1.00 25.31 10927 C GLY B 602 -37.405 10.239 77.782 1.00 25.31 10929 N TRP B 603 -36.507 6.372 80.626 1.00 25.17 10929 N TRP B 603 -36.507 6.372 80.626 1.00 25.45 10930 CA TRP B 603 -36.507 6.372 80.626 1.00 25.45 10933 CB TRP B 603 -36.507 6.372 80.626 1.00 25.45 10933 CB TRP B 603 -36.647 2.938 80.783 1.00 25.67 10935 CE TRP B 603 -36.647 2.938 80.626 1.00 25.45 10937 CE TRP B 603 -36.647 1.00 25.67 10935 CE TRP B 603 -36.647 1.00 25.67 10935 CE TRP B 603 -36.647 1.00 25.67 10936 CD TRP B 603 -36.647 1.00 25.67 1.00 25.67 10936 CD TRP B 603 -36.647 1.00 25.67 1.00 25.67 1.00 25.67 1.00 25.67 1.00 25.67 1.00 25.67 1.00 25.67 1.00 25.67 1.00 25.67 1.00 25.67 1.00 25.67 1.00 25.67 1.00 25.67 1										
10911 N TRP B 601										
10912 CA										
10913 CB TRP B 601 -38.241 10.779 74.768 1.00 25.63 10915 CDI TRP B 601 -37.071 9.939 74.383 1.00 23.01 10916 NEI TRP B 601 -35.137 9.367 73.628 1.00 20.91 10917 CE2 TRP B 601 -35.137 9.367 73.638 1.00 21.35 10919 CE3 TRP B 601 -35.619 8.251 74.667 1.00 21.02 10919 CE3 TRP B 601 -37.553 7.641 75.378 1.00 21.55 10920 C23 TRP B 601 -37.553 7.641 75.378 1.00 21.55 10921 CE2 TRP B 601 -37.086 6.354 75.478 1.00 24.97 10921 CE2 TRP B 601 -35.784 6.036 74.864 1.00 22.98 10922 C22 TRP B 601 -35.784 6.036 74.864 1.00 23.65 10922 C22 TRP B 601 -35.784 6.036 74.864 1.00 23.65 10923 C TRP B 601 -35.868 11.619 76.999 1.00 25.94 10925 N CLY B 602 -36.463 9.646 78.697 1.00 25.94 10926 CA CLY B 602 -37.041 8.405 79.321 1.00 25.51 10927 C CLY B 602 -37.041 8.405 79.274 1.00 25.72 10929 N TRP B 603 -36.172 7.645 80.000 1.00 25.72 10930 CA TRP B 603 -36.172 7.645 80.000 1.00 25.72 10931 CB TRP B 603 -36.172 7.645 80.000 1.00 25.72 10932 C TRP B 603 -36.172 7.645 80.000 1.00 25.72 10933 CB TRP B 603 -36.172 7.645 80.000 1.00 25.72 10933 CB TRP B 603 -36.172 7.645 80.000 1.00 25.72 10933 CB TRP B 603 -36.172 7.645 80.000 1.00 25.72 10934 NEI TRP B 603 -36.403 3.148 81.105 1.00 25.49 10934 NEI TRP B 603 -36.403 3.148 81.105 1.00 25.41 10934 NEI TRP B 603 -36.403 3.148 81.105 1.00 25.67 10935 CE2 TRP B 603 -36.403 3.148 81.00 25.67 10936 CD2 TRP B 603 -36.403 3.148 81.00 25.67 10937 CE3 TRP B 603 -36.403 3.148 81.00 25.67 10938 CE3 TRP B 603 -36.403 3.148 81.100 25.67 10939 CE2 TRP B 603 -36.403 3.148 81.00 25.67										
10914 CG TRP B 601 -37.071 9.993 74.383 1.00 23.01 10915 CD1 TRP B 601 -36.013 10.407 73.628 1.00 20.91 10916 NE1 TRP B 601 -35.619 8.251 74.067 1.00 21.02 10918 CD2 TRP B 601 -35.619 8.251 74.067 1.00 21.02 10919 CE3 TRP B 601 -37.553 7.641 74.664 1.00 22.98 10920 CZ3 TRP B 601 -37.553 7.641 75.378 1.00 21.50 10921 CH2 TRP B 601 -37.553 7.641 75.378 1.00 24.97 10922 CH2 TRP B 601 -35.784 6.036 74.664 1.00 23.82 10922 CZ2 TRP B 601 -35.784 6.036 74.664 1.00 23.82 10922 CZ2 TRP B 601 -35.784 6.036 74.664 1.00 22.98 10922 CZ2 TRP B 601 -35.868 11.619 76.919 1.00 25.90 10923 C TRP B 601 -37.006 11.166 76.929 1.00 25.94 10925 N GLY B 602 -37.405 10.239 77.782 1.00 25.43 10926 CA GLY B 602 -37.405 10.239 77.782 1.00 25.31 10927 C GLY B 602 -37.041 8.405 79.332 1.00 25.53 10928 O GLY B 602 -37.041 8.405 79.332 1.00 25.54 10930 CA TRP B 603 -36.507 6.372 80.626 1.00 25.75 10931 CB TRP B 603 -36.507 6.372 80.626 1.00 25.45 10933 CB TRP B 603 -36.766 1.882 80.783 1.00 25.45 10933 CB TRP B 603 -36.766 1.882 80.783 1.00 25.67 10934 NET TRP B 603 -36.766 1.882 80.783 1.00 25.67 10935 CE2 TRP B 603 -36.766 1.882 80.783 1.00 25.67 10936 CD2 TRP B 603 -36.766 1.882 80.783 1.00 25.67 10937 CE3 TRP B 603 -36.766 1.882 80.783 1.00 25.67 10937 CE3 TRP B 603 -36.766 1.882 80.783 1.00 25.67 10936 CD2 TRP B 603 -36.766 1.882 80.783 1.00 25.67 10937 CE3 TRP B 603 -36.766 1.882 80.783 1.00 25.67 10938 CZ3 TRP B 603 -36.766 1.882 80.783 1.00 25.67 10939 CZ TRP B 603 -36.766 1.882 80.783 1.00 25.67 10936 CD2 TRP B 603 -36.766 1.882 80.783 1.00 25.67 10937 CE3										
10915 CD1 TRP B 601 -36.013 10.407 73.628 1.00 20.91 10916 NEIT RPB B 601 -35.619 8.251 74.667 1.00 21.02 10918 CD2 TRP B 601 -37.553 7.641 75.378 1.00 21.52 10919 CE3 TRP B 601 -37.553 7.641 75.378 1.00 21.52 10920 CZ3 TRP B 601 -37.096 6.354 75.478 1.00 24.97 10921 CZ2 TRP B 601 -35.784 6.036 74.864 1.00 22.98 10922 CZ2 TRP B 601 -35.784 6.036 74.864 1.00 23.82 10922 CZ2 TRP B 601 -35.784 6.036 74.864 1.00 23.82 10923 C TRP B 601 -35.868 11.619 76.919 1.00 25.94 10924 O TRP B 601 -35.868 11.619 76.919 1.00 25.94 10925 N GLY B 602 -36.463 9.646 78.697 1.00 25.31 10926 CA GLY B 602 -36.463 9.646 79.332 1.00 25.51 10927 C GLY B 602 -36.463 9.646 79.332 1.00 25.51 10928 O GLY B 602 -36.613 70.645 80.000 1.00 25.72 10930 CA TRP B 603 -36.172 7.645 80.000 1.00 25.72 10931 CB TRP B 603 -36.507 6.372 80.626 1.00 25.45 10933 CB TRP B 603 -36.507 6.372 80.626 1.00 25.45 10934 NEIT RP B 603 -36.676 5.293 79.902 1.00 25.40 10934 NEIT RP B 603 -36.676 5.293 79.902 1.00 25.40 10935 CZ2 TRP B 603 -36.676 1.828 80.783 1.00 25.67 10936 CD2 TRP B 603 -36.821 1.764 79.418 1.00 25.67 10937 CZ3 TRP B 603 -36.403 3.148 81.105 1.00 25.67 10938 CZ2 TRP B 603 -36.821 1.764 79.418 1.00 25.67 10939 CZ2 TRP B 603 -36.821 1.764 79.418 1.00 25.67 10930 CZ2 TRP B 603 -36.647 2.988 80.783 1.00 25.67 10934 NEIT RP B 603 -36.647 2.988 80.83 1.00 25.67 10934 NEIT RP B 603 -36.647 2.988 80.83 1.00 25.67 10936 CZ2 TRP B 603 -36.647 2.988 80.83 1.00 25.67 10937 CZ2 TRP B 603 -36.447 6.445 82.119 1.00 25.55 10938 CZ2 TRP B 603 -36.647 6.445 82.119 1.00 25.55 10940 CZ2 TRP B 603 -36.447 6.445 82.119 1.00 25.55 10940 CZ										
10916 NEI TRP B 601 -35.137 9.367 73.438 1.00 21.35										
10917 CE2 TRP B 601 -35.619 8.251 74.667 1.00 21.02 10918 CD2 TRP B 601 -36.850 8.610 74.664 1.00 22.98 10919 CE3 TRP B 601 -37.553 7.641 75.378 1.00 21.50 10920 CE3 TRP B 601 -37.084 6.036 74.864 1.00 22.98 10922 CE2 TRP B 601 -35.784 6.036 74.864 1.00 23.82 10922 CE2 TRP B 601 -35.784 6.036 74.864 1.00 23.82 10922 CE2 TRP B 601 -35.079 6.974 74.161 1.00 22.00 10924 CTRP B 601 -35.868 11.619 76.919 1.00 25.94 10925 N GLY B 602 -36.463 9.646 78.697 1.00 25.94 10925 N GLY B 602 -36.463 9.646 78.697 1.00 25.31 10927 C GLY B 602 -36.463 9.646 78.697 1.00 25.31 10927 C GLY B 602 -36.463 9.646 79.332 1.00 25.51 10929 N TRP B 603 -36.172 7.645 80.000 1.00 25.72 10929 N TRP B 603 -36.507 6.372 80.626 1.00 25.45 10931 CB TRP B 603 -36.507 6.372 80.626 1.00 25.49 10932 CB TRP B 603 -36.641 3.874 79.984 1.00 25.45 10933 CB TRP B 603 -36.641 3.874 79.984 1.00 25.45 10934 NEI TRP B 603 -36.647 3.488 81.105 1.00 25.67 10936 CD TRP B 603 -36.647 3.488 81.105 1.00 25.67 10936 CD TRP B 603 -36.647 3.848 81.105 1.00 25.67 10936 CD TRP B 603 -36.647 3.848 81.00 24.78 10936 CD TRP B 603 -36.647 79.488 1.00 25.67 10936 CD TRP B 603 -36.647 79.488 1.00 25.67 10937 CE3 TRP B 603 -36.647 79.848 1.00 25.67 10936 CD TRP B 603 -36.647 79.488 1.00 25.67 10936 CD TRP B 603 -36.647 79.488 1.00 25.67 10936 CD TRP B 603 -36.647 79.648 80.783 1.00 25.67 10940 CD TRP B 603 -36.647 79.648 80.783 1.00 25.67 10940 CD TRP B 603 -36.647 79.648 80.783 1.00 25.67 10940 CD TRP B 603 -36.647 79.648 80.783 1.00 25.67 10940 CD TRP B 603 -36.647 79.648 80.04 1.00 25.55 10946 CD TRP B 603 -36.757 6.864 82.475 1.00 25.55 10946 CD TRP B 603 -36.757 6.864 82.475 1.00 25.55 10946										
10918 CD2 TRP B 601 -36.850 8.610 74.664 1.00 22.98 10919 CE3 TRP B 601 -37.008 6.354 75.378 1.00 21.50 10920 C23 TRP B 601 -37.008 6.354 75.478 1.00 24.97 10921 CH2 TRP B 601 -35.784 6.036 74.864 1.00 23.82 10922 CZ2 TRP B 601 -35.868 11.619 76.929 1.00 25.90 10925 N GLY B 601 -35.868 11.619 76.919 1.00 25.90 10925 N GLY B 602 -36.463 9.646 78.697 1.00 25.43 10926 C GLY B 602 -37.405 8.465 N 6.979 77.782 1.00 25.50 10928 O GLY B 602 -37.405 8.465 N 6.979 79.274 1.00 25.50 10929 N TRP B 603 -36.172 7.645 80.000 1.00 25.72 10930 C RPB B 603 -36.172 7.645 80.000 1.00 25.72 10930 C RPB B 603 -36.676 5.293 79.902 1.00 25.43 10937 C RPB B 603 -36.676 5.293 79.902 1.00 25.45 10933 CB TRP B 603 -36.676 5.293 79.902 1.00 25.45 10933 CB TRP B 603 -36.7667 6.372 80.626 1.00 25.45 10933 CB TRP B 603 -36.463 1.88 81.105 1.00 25.47 10934 NEI TRP B 603 -36.463 1.88 81.105 1.00 25.47 10935 CE2 TRP B 603 -36.463 1.88 81.105 1.00 25.47 10936 CE2 TRP B 603 -36.463 1.88 81.105 1.00 25.47 10936 CE2 TRP B 603 -36.463 1.88 81.75 1.00 25.67 10936 CE2 TRP B 603 -36.463 0.34 1.88 81.00 25.67 10936 CE2 TRP B 603 -36.463 0.34 1.87 1.00 25.67 10936 CE2 TRP B 603 -36.400 3.148 81.105 1.00 25.67 10936 CE2 TRP B 603 -36.437 2.999 78.881 1.00 25.67 10936 CE2 TRP B 603 -36.437 2.999 78.881 1.00 25.67 10936 CE2 TRP B 603 -36.765 2.058 76.694 1.00 22.45 1.00 26.60 1.00										
10919 CE3 TRP B 601 -37.553 7.641 75.378 1.00 21.50										
10920 C23 TRP B 601 -37.008 6.354 75.478 1.00 24.97										
10921 CH2 TRP B 601 -35.784 6.036 74.864 1.00 23.82 10922 CZ TRP B 601 -35.797 6.974 74.161 1.00 22.00 10923 C TRP B 601 -37.006 11.166 76.929 1.00 25.90 10924 O TRP B 601 -37.006 11.619 76.919 1.00 25.94 10925 N GLY B 602 -37.405 10.239 77.782 1.00 25.31 10926 CA GLY B 602 -36.463 9.646 78.697 1.00 25.31 10928 O GLY B 602 -36.463 9.646 79.322 1.00 25.53 10928 O GLY B 602 -36.463 9.646 79.322 1.00 25.53 10928 O GLY B 602 -36.463 9.646 79.322 1.00 25.57 10929 N TRP B 603 -36.507 6.372 80.626 1.00 25.17 10929 N TRP B 603 -36.507 6.372 80.626 1.00 25.45 10931 CB TRP B 603 -36.507 6.372 80.626 1.00 25.45 10933 CB TRP B 603 -36.340 3.148 81.105 1.00 25.45 10934 NEI TRP B 603 -36.340 3.148 81.105 1.00 25.45 10935 CE2 TRP B 603 -36.340 3.148 81.105 1.00 25.45 10935 CE2 TRP B 603 -36.821 1.764 79.948 1.00 25.67 10936 CD2 TRP B 603 -36.400 3.134 77.488 1.00 25.67 10937 CE3 TRP B 603 -36.400 3.134 77.488 1.00 25.67 10938 CZ3 TRP B 603 -36.400 3.134 77.488 1.00 25.67 10939 CE2 TRP B 603 -36.400 3.134 77.488 1.00 25.67 10939 CE2 TRP B 603 -36.400 3.134 77.488 1.00 25.67 10930 CE2 TRP B 603 -36.400 3.134 77.488 1.00 25.67 10930 CE2 TRP B 603 -36.400 3.134 77.488 1.00 25.67 10934 CZ TRP B 603 -36.400 3.134 77.488 1.00 25.67 10934 CZ TRP B 603 -36.400 3.134 77.488 1.00 25.65 10934 CZ TRP B 603 -36.400 3.134 77.488 1.00 25.65 10934 CZ TRP B 603 -36.400 3.134 77.488 1.00 25.65 10934 CZ TRP B 603 -36.400 3.134 77.488 1.00 25.55 10944 CZ TRP B 603 -36.400 3.134 77.488 1.00 25.55 10944 CZ TRP B 603 -36.400 3.134 77.488 1.00 25.55 10944 CZ TRP B 603 -36.400 3.134 77.488 1.00 25.55 10944 CZ TRP B 603 -36.400 3.134 77.488 1.00 25.55 10944 CZ TRP B 603 -										
10922 CZZ TRP B 601 -35.079 6.974 74.161 1.00 22.00										
10924 C										
10924 O TRP B 601										
10925 N GLY B 602										
10926 CA GLY B 602 -36.463 9.646 78.697 1.00 25.31										
10927 C GLY B 602 -37.041 8.405 79.332 1.00 25.50 10928 O GLY B 602 -38.255 8.187 79.274 1.00 25.17 10929 N TRP B 603 -36.172 7.645 80.000 1.00 25.72 10931 CB TRP B 603 -36.507 5.293 79.902 1.00 25.45 10932 CG TRP B 603 -36.141 3.874 79.984 1.00 25.45 10933 CD1 TRP B 603 -36.768 1.882 80.783 1.00 25.45 10934 NE1 TRP B 603 -36.768 1.882 80.783 1.00 25.67 10935 CE2 TRP B 603 -36.768 1.882 80.783 1.00 25.67 10936 CD2 TRP B 603 -36.400 3.134 77.488 1.00 25.16 10937 CE2 TRP B 603 -36.400 3.134 77.488 1.00 25.16 10936 CD2 TRP B										
10928 O										
10930 N TRP B 603 -36.172 7.645 80.000 1.00 25.72										
10930 CA TRP B 603 -36.507 6.372 80.626 1.00 25.45 10931 CB TRP B 603 -36.667 5.293 79.902 1.00 25.49 10932 CG TRP B 603 -36.141 3.874 79.994 1.00 25.45 10933 CDI TRP B 603 -36.340 3.148 81.105 1.00 25.47 10935 CE2 TRP B 603 -36.766 1.882 80.783 1.00 25.87 10935 CE2 TRP B 603 -36.821 1.764 79.418 1.00 25.67 10937 CE3 TRP B 603 -36.821 1.764 79.418 1.00 25.67 10937 CE3 TRP B 603 -36.621 1.764 79.418 1.00 25.67 10937 CE3 TRP B 603 -36.607 3.134 77.488 1.00 24.78 10938 CZ3 TRP B 603 -36.665 2.058 76.694 1.00 22.45 10939 CH2 TRP B 603 -36.7130 0.842 77.257 1.00 22.60 10940 CZ2 TRP B 603 -37.130 0.842 77.257 1.00 22.60 10940 CZ2 TRP B 603 -37.130 0.842 77.257 1.00 22.50 10941 C TRP B 603 -35.051 6.864 82.475 1.00 25.53 10942 O TRP B 603 -35.051 6.864 82.475 1.00 25.53 10942 A SER B 604 -37.050 6.032 83.003 1.00 26.12 10944 CA SER B 604 -37.050 6.032 83.003 1.00 26.35 10946 CG SER B 604 -35.397 4.684 86.808 1.00 26.35 10946 CG SER B 604 -35.397 4.684 86.808 1.00 26.35 10946 CG SER B 604 -35.397 4.684 86.808 1.00 25.82 10948 O SER B 604 -35.397 4.684 85.002 1.00 25.82 10948 O SER B 604 -35.397 4.684 85.002 1.00 26.75 10948 O SER B 604 -35.397 4.684 85.002 1.00 26.75 10948 O SER B 604 -35.397 4.684 85.002 1.00 26.75 10948 O SER B 604 -35.397 4.684 85.002 1.00 26.75 10948 O SER B 604 -35.346 7.822 85.526 1.00 26.70 10949 N TYR B 605 -35.241 9.209 85.985 1.00 26.20 10951 CB TYR B 605 -33.807 9.479 86.81 1.00 25.85 10055 CB TYR B 605 -33.807 9.479 86.81 1.00 25.85										
10931 CB TRP B 603 -35.667 5.293 79.902 1.00 25.49										
10932 CG TRP B 603 -36.141 3.874 79.984 1.00 25.45 10933 CD1 TRP B 603 -36.768 1.882 80.783 1.00 25.87 10935 CE2 TRP B 603 -36.768 1.882 80.783 1.00 25.67 10935 CE2 TRP B 603 -36.821 1.764 79.418 1.00 25.67 10937 CE3 TRP B 603 -36.821 72.999 78.881 1.00 25.67 10937 CE3 TRP B 603 -36.400 3.134 77.488 1.00 24.78 10938 CE2 TRP B 603 -36.400 3.134 77.488 1.00 22.45 10939 CH2 TRP B 603 -36.765 2.058 76.694 1.00 22.45 10939 CH2 TRP B 603 -37.130 0.842 77.257 1.00 22.60 10940 CZ TRP B 603 -37.130 0.842 77.257 1.00 22.60 10940 CZ TRP B 603 -37.130 6.842 77.257 1.00 25.53 10942 O TRP B 603 -35.051 6.645 82.119 1.00 25.53 10942 O TRP B 603 -35.051 6.645 82.119 1.00 25.53 10944 CA SER B 604 -37.050 6.032 83.003 1.00 26.12 10944 CA SER B 604 -37.050 6.032 83.003 1.00 26.12 10945 CB SER B 604 -35.397 6.608 84.488 1.00 26.35 10946 OG SER B 604 -35.397 4.684 86.808 1.00 26.35 10946 OG SER B 604 -35.397 4.684 86.808 1.00 25.82 10947 C SER B 604 -37.573 8.185 84.947 1.00 27.00 10949 N TYR B 605 -35.436 7.822 85.526 1.00 26.70 10955 CB TYR B 605 -33.807 9.479 84.81 1.00 25.85 10955 CB TYR B 605 -33.807 9.479 86.81 1.00 26.55										
10933 CD1 TRP B 603 -36.340 3.148 81.105 1.00 25.41 10934 NEI TRP B 603 -36.768 1.882 80.783 1.00 25.57 10935 CE2 TRP B 603 -36.821 1.764 79.418 1.00 25.67 10937 CE3 TRP B 603 -36.407 2.999 78.881 1.00 25.16 10939 CE3 TRP B 603 -36.765 2.058 76.694 1.00 24.78 10939 CE2 TRP B 603 -37.130 0.842 77.257 1.00 22.65 10940 CZ2 TRP B 603 -37.174 0.671 78.613 1.00 24.78 10941 C TRP B 603 -37.174 0.671 78.613 1.00 25.53 10943 N SER B 604 -35.051 6.864 82.175 1.00 25.52 10945 CB SER B 604 -36.732 6.008 84.681 1.00 25.82 10947 C SER B 604 -35.397 4.684 86.041 1.00 25.82 10947 C SER B 604 -35.397 8.168 84.094 1.0										
10934 NEI TRP B 603 -36.768 1.882 80.783 1.00 25.87 10936 CEZ TRP B 603 -36.821 1.764 79.418 1.00 25.67 10936 CDZ TRP B 603 -36.400 3.134 77.488 1.00 25.16 10937 CE3 TRP B 603 -36.765 2.058 76.694 1.00 22.478 10939 CE2 TRP B 603 -37.130 0.842 77.257 1.00 22.60 10940 CZ2 TRP B 603 -37.174 0.671 78.613 1.00 23.55 10941 C TRP B 603 -37.174 0.671 78.613 1.00 23.55 10942 O TRP B 603 -35.051 6.864 82.475 1.00 25.53 10942 O TRP B 603 -35.051 6.864 82.475 1.00 25.53 10942 O TRP B 603 -35.051 6.864 82.475 1.00 25.53 10945 CB SER B										
10935 CEZ TRP B 603 -36.821 1.764 79.418 1.00 25.67 10936 CDZ TRP B 603 -36.437 2.999 78.881 1.00 25.67 10937 CE3 TRP B 603 -36.400 3.134 77.488 1.00 22.45 10939 CH2 TRP B 603 -37.130 0.842 77.257 1.00 22.60 10940 CH2 TRP B 603 -36.147 6.461 82.119 1.00 25.95 10941 C TRP B 603 -36.147 6.464 82.175 1.00 25.25 10943 N SER B 604 -37.050 6.032 33.003 1.00 25.25 10945 CB SER B 604 -36.732 6.008 84.681 1.00 25.82 10947 C SER B 604 -35.397 4.684 85.002 1.00 25.82 10948 O SER B 604 -35.397										
10936 CD2 TRP B 603 -36.437 2.999 78.881 1.00 25.16 10937 CE3 TRP B 603 -36.400 3.134 77.488 1.00 24.78 10938 CE3 TRP B 603 -36.765 2.058 76.694 1.00 22.45 10940 CE2 TRP B 603 -37.130 0.842 77.257 1.00 22.60 10941 C TRP B 603 -36.147 6.445 82.119 1.00 25.53 10942 O TRP B 603 -36.147 6.445 82.119 1.00 25.53 10943 N SER B 604 -37.050 6.032 83.003 1.00 26.12 10944 CA SER B 604 -35.447 5.196 84.688 1.00 25.82 10947 C SER B 604 <td< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td<>										
10937 CE3 TRP B 603 -36.400 3.134 77.488 1.00 24.78 10938 C23 TRP B 603 -36.765 2.058 76.694 1.00 22.45 10940 C22 TRP B 603 -37.174 0.842 77.257 1.00 22.60 10940 C22 TRP B 603 -36.147 6.445 82.119 1.00 25.93 10942 O TRP B 603 -35.051 6.864 82.475 1.00 25.25 10943 N SER B 604 -37.050 6.032 33.003 1.00 26.35 10945 CB SER B 604 -36.732 6.008 84.688 1.00 26.35 10947 C SER B 604 -35.397 4.684 85.002 1.00 25.82 10949 N TYR B 605 -35.436 7.822 85.266 1.00 26.70 10949										
10938 C23 TRP B 603 -36.765 2.058 76.694 1.00 22.45 10939 CH2 TRP B 603 -37.130 0.842 77.257 1.00 22.60 10940 C22 TRP B 603 -37.174 0.671 78.613 1.00 23.55 10942 O TRP B 603 -35.551 6.864 82.475 1.00 25.53 10943 N SER B 604 -37.050 6.032 83.003 1.00 26.12 10945 CB SER B 604 -36.732 6.008 84.688 1.00 26.35 10945 CB SER B 604 -35.397 4.684 86.014 1.00 25.82 10947 C SER B 604 -35.397 4.684 86.014 1.00 25.82 10949 O SER B 604 -37.573 8.185 84.947 1.00 27.00 10949										
10939 CH2 TRP B 603 -37.130 0.842 77.257 1.00 22.60 10940 CZZ TRP B 603 -37.174 0.671 78.613 1.00 23.90 10941 C TRP B 603 -36.147 6.445 82.119 1.00 25.53 10943 N SER B 604 -37.050 6.032 83.003 1.00 25.25 10944 CA SER B 604 -36.732 6.008 84.438 1.00 26.35 10945 CB SER B 604 -36.732 6.008 84.688 1.00 26.55 10947 C SER B 604 -35.397 4.684 85.004 1.00 25.82 10949 N TYR B 605 -35.436 7.822 85.526 1.00 26.70 10949 N TYR B 605 -35.436 7.822 85.526 1.00 26.70 10950 CA TYR B 605 -35.241 9.209 85.985 1.00 26.25 10955 CB TYR B 605 -33.807 9.479 86.481 1.00 25.82 10955 CB TYR B 605 -35.241 9.209 85.985 1.00 26.2										
10940 C22 TRP B 603 -37.174 0.671 78.613 1.00 23.90 10941 C TRP B 603 -36.147 6.445 82.119 1.00 25.25 10942 O TRP B 603 -35.051 6.864 82.475 1.00 25.25 10943 N SER B 604 -37.050 6.032 83.003 1.00 26.12 10945 CB SER B 604 -36.732 6.008 84.38 1.00 26.35 10946 OG SER B 604 -35.447 5.196 84.688 1.00 26.35 10947 C SER B 604 -35.397 4.684 86.014 1.00 26.75 10949 O SER B 604 -36.608 7.436 85.002 1.00 26.75 10949 O SER B 604 -37.573 8.185 84.947 1.00 26.75 10949 N TYR B 605 -35.241 9.209 85.965 1.00 26.75 10950 CA TYR B 605 -35.241 9.209 85.965 <t< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></t<>										
10941 C										
10942 O TRP B 603 -35.051 6.864 82.475 1.00 25.25 10943 N SER B 604 -37.050 6.032 83.003 1.00 26.12 10944 CA SER B 604 -36.732 6.008 84.438 1.00 26.35 10946 CB SER B 604 -35.497 4.684 86.014 1.00 25.82 10947 C SER B 604 -36.608 7.436 85.002 1.00 26.75 10948 O SER B 604 -37.573 8.185 84.947 1.00 26.70 10949 N TYR B 605 -35.436 7.822 85.526 1.00 26.20 10951 CB TYR B 605 -35.436 7.822 85.526 1.00 26.20 10951 CB TYR B 605 -33.807 9.479 86.81 1.00 26.23 10952 CG TYR B 605 -33.807 9.479 86.81 1.00 26.23										
10943 N SER B 604 -37.050 6.032 83.003 1.00 26.12 10945 CB SER B 604 -36.732 6.008 84.638 1.00 26.35 10946 CB SER B 604 -35.447 5.196 84.688 1.00 26.35 10947 C SER B 604 -36.608 7.436 85.002 1.00 26.75 10948 O SER B 604 -37.573 8.185 84.947 1.00 27.00 10949 N TYR B 605 -35.241 9.209 85.985 1.00 26.70 10950 CA TYR B 605 -33.807 9.479 86.985 1.00 26.70 10951 CB TYR B 605 -35.241 9.209 85.985 1.00 26.70 10950 CR TYR B 605 -33.807 9.479 86.481 1.00 26.35 10950 CR TYR B 605 -33.807 9.479 86.481 1.00 26.35 <td></td>										
10944 CA SBR B 604 -36.732 6.008 84.438 1.00 26.35 10945 CB SBR B 604 -35.397 4.684 86.014 1.00 26.35 10946 CG SBR B 604 -36.608 7.436 85.002 1.00 26.75 10948 O SBR B 604 -37.573 8.185 84.947 1.00 26.75 10949 N TYR B 605 -35.436 7.822 85.526 1.00 26.70 10950 CA TYR B 605 -35.241 9.209 85.985 1.00 26.35 10951 CB TYR B 605 -33.807 9.479 86.481 1.00 25.85 10952 CG TYR B 605 -33.693 10.715 87.352 1.00 26.35										
10945 CB SER B 604 -35.447 5.196 84.688 1.00 26.35 10947 C SER B 604 -35.397 4.684 86.014 1.00 25.82 10948 O SER B 604 -36.608 7.436 85.002 1.00 26.75 10949 N TYR B 605 -37.573 8.185 84.947 1.00 26.70 10950 CA TYR B 605 -35.241 9.209 85.965 1.00 26.70 10951 CB TYR B 605 -33.807 9.479 86.981 1.00 26.75 10952 CG TYR B 605 -33.807 9.479 86.981 1.00 26.75 10952 CG TYR B 605 -33.807 9.479 86.481 1.00 26.35										
10946 OG SER B 604 -35.397 4.684 86.014 1.00 25.82 10947 C SER B 604 -36.608 7.436 85.002 1.00 26.75 10948 O SER B 604 -37.573 8.185 84.947 1.00 27.00 10949 N TYR B 605 -35.436 7.822 85.526 1.00 26.70 10950 CA TYR B 605 -35.241 9.209 85.985 1.00 26.35 10951 CB TYR B 605 -33.807 9.479 86.481 1.00 26.35 10952 CB TYR B 605 -33.693 10.715 87.352 1.00 26.33										
10947 C SER B 604 -36.608 7.436 85.002 1.00 26.75 10948 O SER B 604 -37.573 8.185 84.947 1.00 27.00 10949 N TYR B 605 -35.436 7.822 85.526 1.00 26.70 10950 CA TYR B 605 -35.241 9.209 85.985 1.00 26.20 10951 CB TYR B 605 -33.807 9.479 86.481 1.00 25.85 10952 CG TYR B 605 -33.693 10.715 87.352 1.00 26.33										
10948 O SER B 604 -37.573 8.185 84.947 1.00 27.00 10949 N TYR B 605 -35.436 7.822 85.526 1.00 26.70 10950 CA TYR B 605 -35.241 9.209 85.985 1.00 26.20 10951 CB TYR B 605 -33.807 9.479 86.481 1.00 26.35 10952 CG TYR B 605 -33.693 10.715 87.352 1.00 26.32										
10949 N TYR B 605 -35.436 7.822 85.526 1.00 26.70 10950 CA TYR B 605 -35.241 9.209 85.985 1.00 26.20 10951 CB TYR B 605 -33.807 9.479 86.481 1.00 25.85 10952 CG TYR B 605 -33.693 10.715 87.352 1.00 26.33										
10950 CA TYR B 605 -35.241 9.209 85.985 1.00 26.20 10951 CB TYR B 605 -33.807 9.479 86.481 1.00 25.85 10952 CG TYR B 605 -33.693 10.715 87.352 1.00 26.33										
10951 CB TYR B 605 -33.807 9.479 86.481 1.00 25.85 10952 CG TYR B 605 -33.693 10.715 87.352 1.00 26.33										
10952 CG TYR B 605 -33.693 10.715 87.352 1.00 26.33										
	10953	CD1			605	-33.605	10.611	88.730	1.00	
10954 CE1 TYR B 605 -33.505 11.730 89.520 1.00 27.25										
10955 CZ TYR B 605 -33.525 12.982 88.947 1.00 26.52	10955	CZ	TYR	В					1.00	

FIGURE 3 HG

A	В	C	D	E		F	G	H	I	J
10056	011	mirro	_	C 0 F	22	450	14 116	00 750	1 00	07.45
10956	OH	TYR		605	-33		14.116	89.750		27.45
10957	CE2	TYR		605	-33	625	13.113	87.595	1.00	
10958	CD2	TYR		605			11.983	86.801	1.00	
10959	C	TYR		605		529	10.132	84.824	1.00	
10960	0	TYR		605		026	11.251	84.994		25.93
10961	N	GLY		606	-35		9.676	83.636		25.68
10962	CA	GLY		606	-35		10.437	82.428	1.00	26.10
10963	C	GLY		606		936	10.453	82.106	1.00	
10964	0	GLY		606		385	11.275	81.328	1.00	27.10
10965	N	GLY		607	-37		9.539	82.682	1.00	
10966	CA	GLY		607		140	9.550	82.448	1.00	
10967	C	GLY		607	-39		10.611	83.370		27.06
10968	0	GLY		607		596	11.410	83.015	1.00	
10969	N	TYR		608		146	10.602	84.580	1.00	26.75
10970	CA	TYR		608		489	11.552	85.607	1.00	
10971	CB	TYR		608	-38		11.314	86.820	1.00	
10972	CG	TYR		608		776	12.343	87.904		26.42
10973	CD1	TYR		608		744	13.222	88.216		25.46
10974	CE1	TYR		608		879	14.167	89.206	1.00	24.73
10975	CZ	TYR		608		065	14.254	89.900		26.75
10976	OH	TYR		608	-39		15.189	90.899	1.00	
10977	CE2	TYR		608	-40		13.399	89.602	1.00	
10978	CD2	TYR		608	-39		12.445	88.615		25.22
10979	C	TYR		608		269	12.957	85.057	1.00	26.97
10980	0	TYR		608		213	13.741	84.948	1.00	
10981	N	VAL		609		036	13.252	84.658	1.00	26.42
10982	CA	VAL		609	-37		14.578	84.132		26.01
10983	CB	VAL		609	-36		14.741	83.824		24.91
10984	CG1	VAL		609		959	16.013	83.018		25.28
10985	CG2	VAL		609		.447	14.811	85.117	1.00	
10986	C	VAL		609		559	14.977	82.925	1.00	26.13
10987	0	VAL		609	-39		16.119	82.853	1.00	
10988	N	THR		610	-38		14.064	81.963		25.25
10989	CA	THR		610		546	14.317	80.802		24.57
10990	CB	THR		610		698	13.047	79.957	1.00	
10991	OG1	THR		610		462	12.760	79.320	1.00	23.32
10992	CG2	THR		610	-40		13.302	78.786		23.39
10993	С	THR		610		937	14.748	81.244		24.41
10994	0	THR		610		488	15.737	80.752		24.36
10995	N	SER		611		515	13.966	82.150	1.00	
10996	CA	SER		611		832	14.262	82.697	1.00	24.92
10997	CB	SER		611	-43		13.129	83.607	1.00	24.80
10998	OG	SER		611	-43		11.912	82.885	1.00	27.23
10999	C	SER		611	-42		15.579	83.479		24.77
11000	0	SER		611	-43		16.356	83.378		24.75
11001	N	MET	В	612		819	15.828	84.275	1.00	24.95
11002	CA	MET	В	612	-41		17.078	85.027	1.00	25.17
11003	CB	MET	В	612		673	17.095	86.025	1.00	24.49
11004	CG	MET	В	612		860	16.104	87.098		25.36
11005	SD	MET	В	612	-42		16.655	88.288		27.85
11006	CE	MET	В	612	-41	102	18.007	89.180	1.00	24.85

FIGURE 3 HH

A	В	C	D	E	F	G		H	I	J
	_									
11007	С			612	-41.64			.060		25.26
11008	0			612	-42.23			.262		24.69
11009	N	VAL			-40.89			.986		25.69
11010	CA			613	-40.71			.985		26.51
11011	CB			613	-39.60			.009		26.40
11012	CG1	VAL			-39.74			.724		24.53
11013	CG2	VAL		613	-38.23			.665		26.78
11014	С	VAL		613	-41.99			.206		27.69
11015	0			613	-42.36			.922		29.31
11016	N			614	-42.69			.852		28.17
11017	CA			614	-43.92			.108		28.42
11018	CB			614	-44.46			.603		28.18
11019	CG			614	-43.65			.490		28.05
11020	CD1			614	-43.70			.182		27.46
11021	CD2			614	-44.09			.285		28.59
11022	С			614	-44.96			.959		28.54
11023	0	LEU		614	-45.82			.437		28.75
11024	N	GLY		615	-44.92			.270		28.67
11025	CA	GLY		615	-45.90			.115		29.23
11026	C			615	-45.45			.730		29.40
11027	0			615	-46.06			.691		29.24
11028	N			616	-44.40			.176	1.00	
11029	CA			616	-43.84			.739		29.93
11030	CB			616	-42.37			.354	1.00	
11031	OG			616	-42.24			.947	1.00	30.22
11032	С			616	-44.60			.311	1.00	30.00
11033	0			616	-44.52			.975	1.00	30.74
11034	N	GLY		617	-45.31			.196	1.00	30.15
11035	CA			617	-46.07			.667	1.00	30.00
11036	C			617	-45.19			.830	1.00	30.41
11037	0			617	-45.62			.410	1.00	30.44
11038	N			618	-43.98			.541	1.00	30.40
11039	CA			618	-42.99			.834	1.00	30.05
11040	CB			618	-41.63			.886	1.00	
11041	OG			618	-41.50			.840	1.00	
11042	C			618	-43.32			.384	1.00	30.09
11043	0	SER		618	-42.78 -44.17			.839	1.00	30.10
11044	N			619	-44.17					29.77
11045 11046	CA C	GLY		619 619	-43.44			.361		28.92
									1.00	
11047	0	GLY		619	-43.66			.177		28.88
11048	N	VAL		620	-42.28 -41.20			.847	1.00	
11049	CA			620				.901		30.18
11050 11051	CB CG1	VAL		620	-39.80 -38.72			.558	1.00	30.73
11052 11053	CG2	VAL		620 620	-39.48 -41.41			.143	1.00	30.75
11053	C	VAL		620	-41.41			.153	1.00	30.00
11054	O N		В		-41.13 -41.95			.850	1.00	30.00
	CA							.277		
11056 11057	CB			621 621	-42.11 -41.69			.296		29.81
TIOD	CB	PHE	В	021	-41.69	< 20.1	09 /5	. 290	1.00	29.03

FIGURE 3 HI

A	В	С	D	E	F		G	Н	I	J
11058	00	DUD	_	621	-40.26	53 20.	202	75.720	1 00	21 06
11059	CG CD1	PHE	В	621	-39.9			76.763	1.00	31.06
11060	CE1	PHE		621	-38.60			77.144	1.00	31.62
11060	CZ	PHE	В		-37.6			76.479	1.00	31.98
11061	CE2	PHE	В	621	-37.9			75.439	1.00	30.14
11062	CD2	PHE	В	621	-37.9			75.064	1.00	30.14
11063		PHE	В	621				73.760	1.00	29.14
11064	C	PHE	В	621	-43.50 -44.50			74.458	1.00	29.14
11065	N	LYS	В	622	-44.50			72.518	1.00	28.38
11067	CA	LYS		622	-44.8			71.936	1.00	28.57
11067	CB	LYS		622	-44.68			70.423	1.00	28.30
11069	CG	LYS		622	-45.9			59.654	1.00	27.32
11070	CD	LYS			-45.6°			58.262	1.00	25.74
11070	CE	LYS	В	622	-46.83			57.312	1.00	29.17
11071	NZ	LYS		622	-47.88			57.329	1.00	30.08
11072	C				-45.18			72.361	1.00	28.90
11073	Ö	LYS	В	622	-46.33			72.364	1.00	29.01
11075	N	CYS		623	-44.1			72.846	1.00	29.41
11075	CA	CYS	В	623	-44.16			72.777	1.00	30.38
11077	CB	CYS		623	-43.34			71.526	1.00	32.05
11077	SG			623	-43.9			70.415	1.00	35.26
11078	C	CYS		623	-43.3			73.804	1.00	28.85
11080	0	CYS			-42.23			74.078	1.00	28.04
11081	N	GLY		624	-43.83			74.270	1.00	27.34
11081	CA	GLY		624	-43.00			75.200	1.00	26.09
11082	C	GLY	В	624	-43.40			75.416	1.00	25.41
11083	Ö	GLY		624	-44.5			75.383	1.00	25.44
11085	N	ILE		625	-42.38			75.649	1.00	24.38
11086	CA	ILE	В	625	-42.5			75.933	1.00	23.41
11087	CB	ILE	В	625	-42.0			74.813		23.54
11088	CG1	ILE	В	625	-42.5			73.439	1.00	22.37
11089	CD1	ILE		625	-41.8			72.293		22.74
11090	CG2	ILE		625	-42.3			75.106		21.80
11091	C	ILE		625	-41.85			77.214	1.00	23.00
11092	Ö			625	-40.6			77.294		22.97
11093	N	ALA			-42.5			78.208	1.00	21.99
11094	CA	ALA			-41.9			79.446	1.00	21.51
11095	CB	ALA		626	-42.7			30.626	1.00	21.45
11096	č	ALA		626	-42.05			79.530	1.00	21.24
11097	Ö	ALA		626	-43.1			79.462	1.00	20.87
11098	N	VAL		627	-40.89			79.673	1.00	21.44
11099	CA	VAL			-40.83			79.805	1.00	21.61
11100	CB	VAL		627	-39.89			78.757	1.00	21.50
11101	CG1	VAL		627	-40.09			78.747	1.00	21.19
11102	CG2	VAL		627	-40.1			77.357		21.77
11103	C	VAL			-40.35			31.214		21.72
11104	ŏ	VAL			-39.3			31.658		21.89
11105	N	ALA		628	-41.23			31.907		21.55
11106	CA	ALA		628	-40.96			33.285	1.00	21.74
11107	CB	ALA		628	-39.9			33.289		21.90
11108	C	ALA	В		-40.53			34.233		22.31

FIGURE 3 HJ

A	В	C	D	E	F	G	H	I	J
11109	0	ALA			-39.577	4.649	84.990		21.95
11110	N			629	-41.309	5.851	84.239		22.62
11111	CA			629	-40.939	7.052	84.984		22.22
11112	CB			629	-41.924	8.114	84.462		22.59
11113	CG			629	-42.917	7.396	83.615		22.96
11114	CD			629	-42.638	5.947	83.610		22.34
11115	C			629	-41.201	6.916	86.448		21.88
11116	0	PRO		629	-42.170	6.250	86.852		22.12
11117	N	VAL			-40.369	7.576	87.241		21.25
11118	CA	VAL			-40.671	7.744	88.646		20.98
11119	CB	VAL			-39.392	8.151	89.447		21.62
11120	CG1	VAL			-39.740	8.765	90.795		20.24
11121	CG2	VAL			-38.505	6.943	89.645		20.74
11122 11123	C	VAL			-41.686 -41.624	8.877 9.758	88.630	1.00	20.94
							87.766		
11124	N			631	-42.654	8.866	89.533		21.29
11125 11126	CA	SER			-43.641 -45.016	9.950 9.426	89.500		22.20
11127	CB OG	SER		631	-45.506	8.572	89.102 90.108		21.79
11127	C	SER			-43.715	10.708	90.108		22.31
11129					-44.127	11.857	90.875		22.12
11129	O N	ARG		631	-43.369	10.028	91.902	1.00	
11131	CA	ARG			-43.251	10.676	93.178		24.48
11132	CB	ARG			-44.570	10.749	93.178		24.78
11133	CG	ARG			-44.772	9.608	94.859	1.00	
11134	CD	ARG			-45.406	9.963	96.172		33.49
11135	NE	ARG			-46.447	10.954	96.047	1.00	35.71
11136	CZ	ARG		632	-47.196	11.363	97.060	1.00	38.06
11137	NH1	ARG			-48.111	12.306	96.862	1.00	36.08
11138	NH2	ARG			-47.033	10.826	98.272	1.00	38.76
11139	C	ARG			-42.224	9.873	93.932	1.00	
11140	ō	ARG			-42.271	8.637	93.923	1.00	
11141	N	TRP			-41.314	10.582	94.592		24.41
11142	CA	TRP			-40.159	9.974	95.258		24.82
11143	CB	TRP			-39.121	11.050	95.606		24.74
11144	CG			633	-38.523	11.596	94.366		23.36
11145	CD1	TRP		633	-38.728	12.816	93.828	1.00	
11146	NE1	TRP	В	633	-38.047	12.927	92.637	1.00	20.50
11147	CE2	TRP	В	633	-37.376	11.759	92.394	1.00	20.18
11148	CD2	TRP	В	633	-37.666	10.888	93.449		22.71
11149	CE3	TRP	В	633	-37.107	9.598	93.428	1.00	21.96
11150	CZ3	TRP	В	633	-36.286	9.239	92.375	1.00	20.82
11151	CH2	TRP	В	633	-36.010	10.133	91.345	1.00	22.31
11152	CZ2	TRP	В	633	-36.545	11.398	91.331	1.00	22.59
11153	C	TRP	В	633	-40.485	9.045	96.420	1.00	25.58
11154	0	TRP	В	633	-39.739	8.128	96.714	1.00	
11155	N	GLU	В	634	-41.623	9.234	97.059	1.00	26.51
11156	CA	GLU	В	634	-41.974	8.321	98.127	1.00	27.59
11157	CB	GLU			-43.173	8.852	98.923	1.00	
11158	CG	GLU			-42.875	10.009	99.859		30.31
11159	CD	GLU	В	634	-43.883	11.137	99.660	1.00	34.65

FIGURE 3 HK

11160 OE1 GLU B 634 -44.789 11.313 100.508 1.00 35.	
11160 OE1 GLU B 634 -44.789 11.313 100.508 1.00 35.	
11161 OE2 GLU B 634 -43.789 11.829 98.616 1.00 37.	
11162 C GLU B 634 -42.260 6.898 97.602 1.00 27.	
11163 O GLU B 634 -42.306 5.961 98.389 1.00 27.	
11164 N TYR B 635 -42.454 6.752 96.285 1.00 27.	
11165 CA TYR B 635 -42.699 5.441 95.655 1.00 27.	
11166 CB TYR B 635 -43.411 5.595 94.309 1.00 26.	
11167 CG TYR B 635 -44.817 6.153 94.352 1.00 26.	
11168 CD1 TYR B 635 -45.628 5.992 95.474 1.00 23.	
11169 CE1 TYR B 635 -46.906 6.487 95.498 1.00 24.	
11170 CZ TYR B 635 -47.394 7.155 94.396 1.00 25.	
11171 OH TYR B 635 -48.675 7.661 94.391 1.00 26.	
11172 CE2 TYR B 635 -46.609 7.334 93.273 1.00 26.	
11173 CD2 TYR B 635 -45.335 6.831 93.251 1.00 25.	
11174 C TYR B 635 -41.427 4.681 95.322 1.00 27.	
11175 O TYR B 635 -41.461 3.479 95.123 1.00 27.	
11176 N TYR B 636 -40.314 5.388 95.200 1.00 27.	
11177 CA TYR B 636 -39.083 4.743 94.808 1.00 26.	.78
11178 CB TYR B 636 -38.226 5.682 93.990 1.00 26.	
11179 CG TYR B 636 -37.243 4.930 93.178 1.00 25.	.84
11180 CD1 TYR B 636 -37.633 3.778 92.512 1.00 24.	.02
11181 CE1 TYR B 636 -36.735 3.060 91.765 1.00 25.	.85
11182 CZ TYR B 636 -35.442 3.480 91.663 1.00 26.	.22
11183 OH TYR B 636 -34.578 2.738 90.901 1.00 29.	
11184 CE2 TYR B 636 -35.014 4.638 92.318 1.00 27.	.07
11185 CD2 TYR B 636 -35.917 5.350 93.076 1.00 25.	.48
11186 C TYR B 636 -38.320 4.168 95.995 1.00 26.	.99
11187 O TYR B 636 -38.723 4.348 97.133 1.00 26.	.78
11188 N ASP B 637 -37.233 3.451 95.727 1.00 27.	.76
11189 CA ASP B 637 -36.554 2.749 96.793 1.00 28.	.64
11190 CB ASP B 637 -35.692 1.581 96.265 1.00 29.	.22
11191 CG ASP B 637 -34.457 2.038 95.509 1.00 29.	.73
11192 OD1 ASP B 637 -33.618 2.766 96.088 1.00 30.	.15
11193 OD2 ASP B 637 -34.223 1.679 94.339 1.00 27.	.88
11194 C ASP B 637 -35.796 3.678 97.742 1.00 28.	.58
11195 O ASP B 637 -35.351 4.759 97.355 1.00 27.	.81
11196 N SER B 638 -35.687 3.252 98.993 1.00 28.	.79
11197 CA SER B 638 -35.047 4.070 100.021 1.00 29.	.71
11198 CB SER B 638 -35.147 3.364 101.363 1.00 30.	.02
11199 OG SER B 638 -34.538 2.089 101.298 1.00 31.	.85
11200 C SER B 638 -33.586 4.472 99.757 1.00 29.	.51
11201 O SER B 638 -33.218 5.666 99.859 1.00 29.	.46
11202 N VAL B 639 -32.739 3.515 99.398 1.00 29.	.23
11203 CA VAL B 639 -31.328 3.893 99.293 1.00 28.	.76
11204 CB VAL B 639 -30.347 2.708 99.372 1.00 28.	
	.17
11206 CG2 VAL B 639 -31.069 1.434 99.627 1.00 27.	
11207 C VAL B 639 -31.024 4.879 98.183 1.00 28.	
11208 O VAL B 639 -30.274 5.825 98.383 1.00 28.	
11209 N TYR B 640 -31.623 4.702 97.022 1.00 27.	
11210 CA TYR B 640 -31.400 5.680 95.979 1.00 27.	

FIGURE 3 HL

A	В	C	D	E	F	G	Н	I	J
11211	CB	TYR	R	640	-31.926	5.154	94.654	1.00	27.16
11212	CG			640	-31.729	6.093	93.481		25.27
11213	CD1	TYR			-30.704	5.885	92.568		23.80
11214	CE1	TYR			-30.523	6.752	91.487	1.00	24.47
11215	CZ	TYR			-31.386	7.814	91.306		22.75
11216	OH			640	-31.212	8.651	90.229	1.00	23.63
11217	CE2	TYR			-32.420	8.028	92.191	1.00	21.55
11218	CD2	TYR		640	-32.579	7.175	93.280	1.00	23.20
11219	c	TYR		640	-32.081	7.018	96.335	1.00	27.36
11220	Ö	TYR		640	-31.454	8.072	96.309	1.00	27.20
11221	N	THR			-33.358	6.975	96.680	1.00	27.02
11222	CA	THR			-34.083	8.216	96.969	1.00	27.70
11223	CB	THR			-35.588	7.934	97.220	1.00	27.48
11224	OG1	THR		641	-36.098	7.085	96.180	1.00	26.79
11225	CG2	THR		641	-36.385	9.217	97.118	1.00	26.28
11226	С	THR	В	641	-33.546	9.032	98.146	1.00	27.73
11227	ō	THR			-33.308	10.233	98.017	1.00	27.27
11228	N	GLU		642	-33.421	8.387	99.301	1.00	28.13
11229	CA	GLU	В	642	-32.970	9.069	100.519	1.00	28.83
11230	CB	GLU	В	642	-33.056	8.144	101.740	1.00	28.92
11231	CG	GLU	В	642	-34.464	7.610	102.007	1.00	27.27
11232	CD	GLU	В	642	-34.479	6.484	103.020	1.00	28.72
11233	OE1	GLU	В	642	-33.413	6.218	103.605	1.00	30.14
11234	OE2	GLU		642	-35.540	5.860	103.241	1.00	24.56
11235	С	GLU	В	642	-31.571	9.647	100.339	1.00	29.65
11236	0	GLU	В	642	-31.209	10.617	100.998	1.00	29.85
11237	N	ARG	В	643	-30.816	9.105	99.385	1.00	30.34
11238	CA	ARG	В	643	-29.468	9.582	99.124	1.00	30.99
11239	CB	ARG	В	643	-28.754	8.700	98.088	1.00	30.95
11240	CG	ARG	В	643	-27.281	9.049	97.868	1.00	29.73
11241	CD	ARG	В	643	-26.599	8.237	96.755	1.00	29.27
11242	NE	ARG	В	643	-26.793	6.805	96.945	1.00	27.98
11243	CZ	ARG	В	643	-27.111	5.957	95.974	1.00	27.57
11244	NH1	ARG	В	643	-27.282	4.687	96.257	1.00	26.22
11245	NH2	ARG	В	643	-27.274	6.379	94.720	1.00	26.92
11246	C	ARG	В	643	-29.502	11.017	98.643	1.00	31.73
11247	0	ARG	В	643	-28.590	11.813	98.920	1.00	31.73
11248	N	TYR	В	644	-30.566	11.348	97.927	1.00	32.09
11249	CA	TYR		644	-30.703	12.671	97.353	1.00	32.36
11250	CB	TYR	В	644	-30.970	12.547	95.847	1.00	32.58
11251	CG	TYR		644	-30.084	11.532	95.149	1.00	32.51
11252	CD1	TYR			-28.726	11.777	94.954	1.00	33.05
11253	CE1	TYR		644	-27.910	10.845	94.313	1.00	31.76
11254	CZ	TYR			-28.456	9.660	93.857	1.00	30.48
11255	OH	TYR		644	-27.665	8.733	93.237	1.00	29.23
11256	CE2	TYR			-29.794	9.393	94.037	1.00	32.14
11257	CD2	TYR			-30.604	10.326	94.682	1.00	32.61
11258	С	TYR		644	-31.811	13.488	98.006	1.00	32.48
11259	0	TYR		644	-31.833	14.699	97.889	1.00	32.79
11260	N	MET		645	-32.704	12.837	98.731	1.00	33.14
11261	CA	MET	В	645	-33.878	13.525	99.259	1.00	33.84

FIGURE 3 HM

A	В	С	D	E		F	G	Н	1	J
11262	CB	MET	В	645	-35.	143	12.910	98.652	1.00	33.47
11263	CG	MET	В	645	-35.		13.175	97.165		32.72
11264	SD	MET		645	-35.		14.897	96.878		35.29
11265	CE	MET	В	645	-37.		14.900	97.690		31.46
11266	c		В	645	-34.		13.492	100.774		34.80
11267	ō		В	645	-34.		14.071	101.329		35.04
11268	N	GLY	В	646	-33.		12.810	101.446		35.50
11269	CA	GLY		646	-33.		12.669	102.879		36.25
11270	С	GLY		646	-34.		11.931	103.173		37.10
11271	ō	GLY		646	-35.		11.221	102.312	1.00	37.45
11272	N	LEU		647	-35.		12.092	104.385		37.37
11273	CA	LEU	В	647	-36.	213	11.405	104.784	1.00	37.69
11274	CB	LEU	В	647	-36.	164	11.134	106.280		37.94
11275	CG	LEU	В	647	-35.		9.750	106.672	1.00	39.05
11276	CD1	LEU		647	-34.		9.031	105.508		39.78
11277	CD2	LEU	В	647	-34.	766	9.832	107.891	1.00	42.00
11278	С	LEU	В	647	-37.	449	12.204	104.435	1.00	37.87
11279	0	LEU	В	647	-37.	431	13.433	104.478	1.00	38.26
11280	N	PRO	В	648	-38.	522	11.513	104.057	1.00	37.85
11281	CA	PRO	В	648	-39.	791	12.171	103.763		38.05
11282	CB	PRO	В	648	-40.	468	11.169	102.821	1.00	37.86
11283	CG	PRO	В	648	-40.	047	9.848	103.376	1.00	37.20
11284	CD	PRO		648	-38.		10.052	103.861		37.95
11285	C	PRO		648	-40.		12.382	105.051	1.00	38.12
11286	0	PRO	В	648	-41.	737	11.967	105.186	1.00	37.94
11287	N	THR	В	649	-39.	963	13.033	106.013	1.00	39.12
11288	CA	THR	В	649	-40.	621	13.361	107.265	1.00	39.41
11289	CB	THR	В	649	-39.	795	12.811	108.432	1.00	39.84
11290	OG1	THR	В	649	-38.	439	13.266	108.316	1.00	40.07
11291	CG2	THR	В	649	-39.	676	11.284	108.333	1.00	38.96
11292	C	THR	В	649	-40.	766	14.878	107.369	1.00	39.87
11293	0	THR	В	649	-40.	027	15.625	106.739	1.00	39.52
11294	N	PRO	В	650	-41.	738	15.347	108.136	1.00	40.74
11295	CA	PRO	В	650	-41.	866	16.789	108.358	1.00	41.41
11296	CB	PRO	В	650	-43.	029	16.888	109.344	1.00	41.77
11297	CG	PRO	В	650	-43.		15.638	109.075	1.00	40.96
11298	CD	PRO	В	650	-42.		14.576	108.826	1.00	40.74
11299	С	PRO	В	650	-40.	573	17.295	108.986	1.00	42.00
11300	0	PRO		650	-40.		18.370	108.630		42.19
11301	N	GLU	В	651	-39.		16.503	109.884	1.00	42.27
11302	CA	GLU		651	-38.		16.900	110.517		43.04
11303	CB	GLU		651	-38.		16.013	111.731	1.00	43.65
11304	CG	GLU	В	651	-38.		14.581	111.639	1.00	46.27
11305	CD	GLU		651	-40.		14.450	112.031		48.91
11306	OE1	GLU		651	-41.		13.348	111.860		49.45
11307	OE2	GLU		651	-41.		15.447	112.519		50.85
11308	С	GLU		651	-37.		16.920	109.530		42.60
11309	0	GLU		651	-36.		17.501	109.803		42.70
11310	N	ASP		652	-37.		16.301	108.366		41.94
11311	CA	ASP		652	-36.		16.284	107.398		40.34
11312	CB	ASP	В	652	-36.	195	14.849	107.140	1.00	40.56

FIGURE 3 HN

A	В	С	D	Е		F	G	Н	I	J
11313	CG	ASP	R	652	-34.	881	14.782	106.389	1.00	41.32
11314	OD1	ASP		652	-34.		13.686	106.351	1.00	42.94
11315		ASP			-34.		15.761	105.807	1.00	43.08
11316	С	ASP		652	-36.		17.009	106.090	1.00	39.16
11317	Ö	ASP		652	-36.		18.210	105.976	1.00	38.18
11318	N	ASN			-37.		16.278	105.102	1.00	38.59
11319	CA	ASN		653	-37.		16.866	103.777	1.00	37.75
11320	CB	ASN		653	-36.		16.372	102.884	1.00	37.56
11321	CG	ASN		653	-36.		17.237	101.693	1.00	36.92
11322	OD1	ASN		653	-36.		18.411	101.720	1.00	37.91
11323	ND2	ASN		653	-35.		16.661	100.621	1.00	38.45
11324	C	ASN			-38.		16.603	103.116	1.00	37.39
11325	ō	ASN			-39.		16.811	101.906	1.00	37.19
11326	N	LEU		654	-39.		16.160	103.908	1.00	36.97
11327	CA	LEU		654	-41.		15.848	103.377	1.00	37.08
11328	CB	LEU		654	-42.		15.570	104.491	1.00	37.28
11329	CG	LEU		654	-43.		15.180	103.971	1.00	38.01
11330	CD1	LEU		654	-44.		15.116	105.102	1.00	38.44
11331	CD2	LEU		654	-43.		13.847	103.197	1.00	36.04
11332	C	LEU		654	-41.		16.909	102.450	1.00	36.99
11333	Ö	LEU		654	-42.		16.578	101.458	1.00	37.11
11334	N	ASP		655	-41.		18.184	102.743	1.00	36.71
11335	CA	ASP		655	-42.:		19.200	101.874	1.00	37.08
11336	CB	ASP		655	-41.		20.620	102.360	1.00	37.80
11337	CG	ASP		655	-42.		21.000	103.567	1.00	40.19
11338	OD1	ASP		655	-43.		20.200	103.963	1.00	41.54
11339		ASP		655	-42.		22.073	104.188	1.00	43.81
11340	C	ASP		655	-41.		19.040	100.439	1.00	36.43
11341	ŏ	ASP		655	-42.		19.062	99.534	1.00	36.62
11342	N	HIS		656	-40.		18.864	100.221	1.00	35.68
11343	CA		В	656	-39.		18.756	98.851	1.00	34.84
11344	CB	HIS			-38.		19.045	98.675	1.00	34.52
11345	CG	HIS			-38.		19.053	97.238	1.00	34.18
11346		HIS		656	-38.		20.039	96.364	1.00	34.46
11347		HIS		656	-38.		19.763	95.153	1.00	35.30
11348			В	656	-37.		18.617	95.206	1.00	34.69
11349		HIS		656	-37.		18.144	96.496	1.00	32.87
11350	c	HIS		656	-40.		17.440	98.192	1.00	34.46
11351	ŏ	HIS		656	-40.		17.385	96.987	1.00	34.36
11352	N	TYR		657	-40.		16.392	98.985	1.00	34.15
11353	CA	TYR		657	-41.		15.135	98.459	1.00	34.15
11354	CB	TYR			-41.		14.128	99.578	1.00	33.67
11355	CG	TYR		657	-40.		13.151	99.774	1.00	34.12
11356	CD1	TYR		657	-40.		11.918	99.109	1.00	32.26
11357	CE1	TYR		657	-39.		11.019	99.310	1.00	32.46
11358	CZ	TYR		657	-38.		11.364	100.171	1.00	32.01
11359	OH			657	-36.		10.500	100.408	1.00	28.40
11360	CE2	TYR		657	-38.		12.576	100.814	1.00	31.61
11361	CD2	TYR		657	-39.		13.461	100.610	1.00	32.78
11362	С	TYR		657	-42.		15.374	97.810	1.00	34.51
11363	Ō	TYR			-42.		14.969	96.663		35.46

FIGURE 3 HO

A	В	C	D	E	F	G	H	I	J
11364	N	ARG	ъ	650	-43.257	16.041	98.548	1.00	34.34
11365		ARG			-44.621	16.309	98.078	1.00	34.28
11366	CA CB	ARG			-45.533	16.710	99.251	1.00	33.97
11367	CG	ARG			-45.624	15.670	100.366	1.00	33.52
11368	CD	ARG			-46.558	14.482	100.053	1.00	32.99
11369 11370	NE	ARG			-46.162	13.262	100.760	1.00	31.06
	CZ	ARG		658	-46.732	12.811	101.868	1.00	
11371		ARG		658	-47.741	13.466	102.423	1.00	30.91
11372	NH2	ARG		658	-46.284	11.697	102.431	1.00	31.55
11373	C	ARG			-44.696	17.381	96.998	1.00	34.35
11374	0	ARG			-45.724	17.517	96.329	1.00	34.58
11375	N	ASN			-43.616	18.130	96.810	1.00	33.88
11376	CA	ASN			-43.632	19.228	95.846	1.00	34.13
11377	CB	ASN			-42.758	20.375	96.365	1.00	35.28
11378	CG	ASN			-43.468	21.707	96.337	1.00	39.53
11379	OD1	ASN		659	-44.314	21.978	97.202	1.00	45.44
11380	ND2	ASN		659	-43.140	22.552	95.351	1.00	42.35
11381	С	ASN		659	-43.073	18.811	94.507	1.00	32.93
11382	0	ASN		659	-43.151	19.554	93.535	1.00	32.81
11383	И	SER		660	-42.486	17.626	94.462	1.00	31.18
11384	CA			660	-41.767	17.196	93.275	1.00	30.39
11385	CB			660	-40.329	16.884	93.676	1.00	29.81
11386	OG			660	-40.358	15.885	94.689	1.00	29.23
11387	C			660	-42.386	15.943	92.642	1.00	29.69
11388	0	SER		660	-41.685	15.002	92.263		29.31
11389	N	THR		661	-43.699	15.913	92.568	1.00	28.50
11390	CA	THR			-44.355	14.767	91.984	1.00	28.29
11391	CB	THR		661	-45.546	14.366	92.818	1.00	27.45
11392	OG1	THR		661	-46.535	15.387	92.715	1.00	29.47
11393	CG2	THR			-45.191	14.390	94.278		28.51
11394	C	THR			-44.840	15.193	90.634	1.00	27.58
11395	0	THR			-45.141	16.360	90.433	1.00	26.38
11396	N	VAL			-44.937	14.255	89.699		27.71
11397	CA	VAL			-45.468	14.649	88.413	1.00	27.87
11398	CB	VAL			-45.105	13.696	87.244	1.00	
11399	CG1	VAL		662	-43.870	12.889	87.559	1.00	27.47
11400	CG2	VAL		662	-46.276	12.834	86.853	1.00	28.38
11401	С	VAL		662	-46.960	14.882	88.540	1.00	27.13
11402	0	VAL		662	-47.479	15.797	87.962	1.00	27.77
11403	N	MET	В	663	-47.633	14.082	89.342	1.00	27.99
11404	CA	MET	В		-49.089	14.201	89.497	1.00	28.23
11405	CB			663	-49.606	13.268	90.587	1.00	27.98
11406	CG	MET	В	663	-49.700	11.811	90.119	1.00	29.16
11407	SD	MET		663	-48.064	11.094	89.939	1.00	28.55
11408	CE	MET	В	663	-47.730	10.581	91.585	1.00	25.42
11409	C	MET	В	663	-49.568	15.598	89.801	1.00	28.71
11410	0	MET	В	663	-50.646	15.979	89.386	1.00	28.82
11411	N	SER	В	664	-48.782	16.368	90.547	1.00	29.20
11412	CA	SER	В	664	-49.234	17.699	90.904	1.00	29.56
11413	CB	SER	В	664	-48.417	18.268	92.069	1.00	29.71
11414	OG	SER	В	664	-47.127	18.659	91.638	1.00	30.83

FIGURE 3 HP

A	В	С	D	E	F		G	H		1	J
11415	C			664	-49.2		.630	89.6			29.03
11416	0			664	-49.8		.694	89.6			29.19
11417	N	ARG			-48.5		.223	88.6			28.31
11418	CA	ARG			-48.4		.072	87.4			27.87
11419	CB	ARG			-47.0		.073	86.8			28.19
11420	CG	ARG			-45.9		.442	87.9			27.90
11421	CD	ARG		665	-44.5		.413	87.3		1.00	30.07
11422	NE	ARG		665	-43.6		.173	88.2		1.00	30.26
11423	CZ	ARG		665	-42.5		.811	87.8		1.00	
11424	NH1	ARG			-42.1		.784	86.5			25.52
11425		ARG			-41.7		.479	88.7			32.36
11426	C	ARG			-49.4		.636	86.4			27.44
11427	0	ARG			-49.4		.183	85.3			26.97
11428 11429	N CA	ALA			-50.2 -51.2		.675	86.7			27.53
					-51.2		.122	85.7			27.96
11430	CB	ALA						86.5			
11431 11432	C	ALA		666	-51.9 -51.9		.154	84.8			28.92
11432	N	GLU		666 667	-52.4		.226	85.4		1.00	
11433	CA	GLU		667	-52.4		.267	84.7		1.00	31.08
11434					-53.1		.367	85.7		1.00	
	CB	GLU			-53.5 -54.2		.549	85.1		1.00	31.61
11436 11437	CG CD	GLU			-55.6		.180	84.4		1.00	41.19
11437	OE1	GLU		667	-55.9		.736	83.4		1.00	43.54
11439	OE2	GLU		667	-56.3		.345	85.0		1.00	43.87
11440	C	GLU		667	-52.3		.848	83.5		1.00	30.55
11441	ŏ	GLU		667	-52.9		.052	82.5		1.00	31.52
11442	N	ASN		668	-51.1		.090	83.7		1.00	30.46
11443	CA	ASN		668	-50.2		.592	82.6		1.00	30.47
11444	CB	ASN		668	-48.9		.999	83.1		1.00	30.94
11445	CG	ASN		668	-48.9		.254	84.0		1.00	31.79
11446	OD1	ASN			-49.9		.935	84.0		1.00	31.89
11447		ASN			-47.8		.559	84.6		1.00	33.36
11448	C	ASN			-50.0		.672	81.4		1.00	30.20
11449	ō	ASN			-49.4		.104	80.4		1.00	
11450	N	PHE	В	669	-50.5		.416	81.5		1.00	30.18
11451	CA		В	669	-50.3		.472	80.4		1.00	30.59
11452	CB	PHE		669	-50.4		.016	80.9		1.00	30.47
11453	CG	PHE	В	669	-49.1		.461	81.5		1.00	30.43
11454	CD1	PHE		669	-48.8		.784	82.8			29.28
11455	CE1	PHE	В	669	-47.7		.268	83.4		1.00	29.56
11456	CZ		В	669	-46.8		.411	82.7		1.00	29.46
11457	CE2	PHE	В	669	-47.2	23 15	.084	81.4	04	1.00	31.42
11458	CD2	PHE		669	-48.3		.604	80.8		1.00	
11459	C	PHE		669	-51.3		.778	79.3		1.00	31.27
11460	0	PHE	В	669	-51.2		.280	78.2		1.00	30.77
11461	N	LYS		670	-52.3		.634	79.6		1.00	32.49
11462	CA	LYS	В	670	-53.2		.102	78.6	86	1.00	33.59
11463	CB	LYS	В	670	-54.1		.234	79.2	63	1.00	34.38
11464	CG	LYS	В	670	-55.6		.927	79.4	21	1.00	36.88
11465	CD	LYS	В	670	-55.9	41 20	.640	80.8	78	1.00	38.81

FIGURE 3 HQ

A	В	C D	E	F	G	H	I	J
11466	CE	LYS B	708	-57.403	20.289	81.032	1.00	40.91
11467	NZ	LYS B		-57.968	20.918	82.253	1.00	
11468	С	LYS B		-52.578	20.668	77.480	1.00	33.88
11469	0	LYS B		-53.119	20.639	76.377	1.00	34.54
11470	N	GLN B		-51.377	21.196	77.695	1.00	33.98
11471	CA	GLN B		-50.638	21.898	76.651	1.00	34.19
11472	CB	GLN B		-49.692	22.932	77.284	1.00	34.36
11473	CG	GLN B	709	-50.340	23.839	78.322	1.00	37.40
11474	CD	GLN B	709	-49.355	24.829	78.946	1.00	42.07
11475	OE1	GLN B		-48.527	25.430	78.238	1.00	43.94
11476	NE2	GLN B	709	-49.447	25.008	80.267	1.00	42.23
11477	C	GLN B		-49.808	21.013	75.732	1.00	33.69
11478	0	GLN B		-49.307	21.488	74.713	1.00	34.21
11479 11480	N CA	VAL B		-49.633 -48.741	19.745 18.901	76.091 75.328	1.00	32.52
11481	CB	VAL B		-47.445	18.642	76.125	1.00	32.01
11482	CG1	VAL B		-46.686 -47.759	19.941 17.933	76.396 77.421	1.00	30.83
11483 11484	CG2 C	VAL B		-47.759	17.542	74.964	1.00	31.20
11484	Ö	VAL B		-50.338	17.100	75.516	1.00	29.98
11486				-48.662	16.901	74.005	1.00	
11487	N CA	GLU B		-48.973	15.532	73.616	1.00	30.01
11488	CB	GLU B		-48.823	15.332	72.104	1.00	30.55
11489	CG	GLU B		-50.015	15.902	71.314	1.00	35.63
11490	CD	GLU B		-49.669	16.234	69.871	1.00	42.70
11491	OE1	GLU B		-49.877	15.365	68.986		44.03
11492	OE2			-49.190	17.373	69.620	1.00	45.75
11493	C	GLU B		-48.000	14.638	74.379		27.71
11494	ŏ	GLU B		-46.790	14.775	74.266	1.00	
11495	N	TYR B	712	-48.543	13.725	75.161	1.00	
11496	CA	TYR B		-47.763	12.905	76.068	1.00	
11497	CB	TYR B		-48.220	13.252	77.458	1.00	
11498	CG	TYR B		-47.605	12.551	78.626		22.24
11499	CD1	TYR B		-46.241	12.562	78.849		21.50
11500	CE1	TYR B		-45.699	11.983	79.987	1.00	
11501	CZ	TYR B		-46.521	11.404	80.909	1.00	
11502	OH	TYR B		-46.015	10.826	82.039	1.00	
11503	CE2	TYR B	712	-47.875	11.386	80.719	1.00	22.28
11504	CD2	TYR B		-48.411	11.974	79.591	1.00	22.47
11505	С	TYR B		-48.043	11.435	75.866	1.00	24.60
11506	0	TYR B	712	-49.207	11.039	75.779	1.00	24.93
11507	N	LEU B	713	-46.978	10.637	75.847	1.00	23.30
11508	CA	LEU B	713	-47.082	9.193	75.696	1.00	22.85
11509	CB	LEU B		-46.382	8.722	74.417		22.22
11510	CG	LEU B	713	-46.110	7.220	74.296	1.00	21.35
11511	CD1	LEU B		-47.389	6.386	74.450	1.00	19.40
11512	CD2	LEU B		-45.445	6.946	72.952	1.00	20.50
11513	C	LEU B		-46.438	8.553	76.914	1.00	22.62
11514	0	LEU B		-45.286	8.794	77.185	1.00	
11515	N	LEU B		-47.210	7.749	77.641		22.40
11516	CA	LEU B	714	-46.799	7.165	78.892	1.00	22.33

FIGURE 3 HR

11517 CB
11518 CG LEU B 676 -47.637 6.916 81.355 1.00 22.36 11519 CD1 LEU B 676 -48.763 7.329 82.268 1.00 22.97 11521 C LEU B 676 -46.6293 7.293 81.973 1.00 19.55 11521 C LEU B 676 -46.651 5.633 78.748 1.00 22.40 11522 C LEU B 676 -47.599 4.936 78.368 1.00 22.40 11522 C LEU B 677 -45.465 5.119 79.034 1.00 22.89 11524 CA ILE B 677 -45.191 3.694 78.585 1.00 21.56 11525 CB ILE B 677 -44.180 3.514 77.735 1.00 21.46 11525 CG ILE B 677 -44.180 3.514 77.735 1.00 21.56 11526 CG1 ILE B 677 -44.807 4.172 76.463 1.00 20.48 11527 CD1 ILE B 677 -43.876 2.041 77.544 1.00 19.66 11529 C ILE B 677 -43.876 2.041 77.544 1.00 19.66 11529 C ILE B 677 -43.876 2.041 77.544 1.00 19.66 11529 C ILE B 677 -43.876 2.041 77.544 1.00 19.66 11529 C ILE B 677 -43.876 2.041 77.549 1.00 22.16 11530 O ILE B 677 -43.749 3.652 80.729 1.00 22.16
11519 CD1 LEU B 676 -48.763 7.329 82.268 1.00 22.97 11520 CD2 LEU B 676 -46.293 7.293 81.973 1.00 19.55 11521 C LEU B 676 -46.651 5.633 78.748 1.00 22.40 11522 O LEU B 676 -47.599 4.936 78.368 1.00 23.59 11523 N ILE B 677 -45.465 5.119 79.034 1.00 21.46 11525 CB ILE B 677 -45.191 3.694 78.857 1.00 21.46 11526 CG1 ILE B 677 -44.180 3.514 77.735 1.00 21.46 11527 CD1 ILE B 677 -43.713 4.108 75.327 1.00 22.71 11528 CG2 ILE B 677 -43.876 2.041 77.544 1.00 19.66 11529 C ILE B 677 -44.608 3.055 80.089 1.00 21.16 11530 O ILE B 677 -43.749 3.632 80.729 1.00 22.16 11530 O ILE B 677 -43.749 3.632 80.729 1.00 22.16 11530 O ILE B 677 -43.749 3.632 80.729 1.00 22.16 11530 O ILE B 677 -43.749 3.632 80.729 1.00 22.16 11530 O ILE B 677 -43.749 3.632 80.729 1.00 22.16 11530 O ILE B 677 -43.749 3.632 80.729 1.00 22.16 11530 O ILE B 677 -43.749 3.632 80.729 1.00 22.16 11530 O ILE B 677 -43.749 3.632 80.729 1.00 22.16 11530 O ILE B 677 -43.749 3.632 80.729 1.00 22.16 11530 O ILE B 677 -43.749 3.632 80.729 1.00 22.16 11530 O ILE B 677 -43.749 3.632 80.729 1.00 22.16 11530 O ILE B 677 -43.749 3.632 80.729 1.00 22.16 11530 O ILE B 677 -43.749 3.632 80.729 1.00 22.16 11530 O ILE B 677 -43.749 3.632 80.729 1.00 22.16
11520 CDZ LEU B 676 -46.293 7.293 81.973 1.00 19.55 11521 C LEU B 676 -46.651 5.633 78.748 1.00 22.40 11522 O LEU B 676 -47.599 4.936 78.368 1.00 23.59 11523 N TLE B 677 -45.465 5.119 79.034 1.00 21.69 11525 CB TLE B 677 -44.180 3.514 77.735 1.00 21.56 11526 CGI TLE B 677 -44.180 3.514 77.735 1.00 21.56 11527 CDI TLE B 677 -43.876 2.041 75.327 1.00 22.04 11528 CG2 TLE B 677 -43.876 2.041 77.544 1.00 29.59 11529 C ILE B 677 -43.876 8.058 80.089 1.00 21.16 11529 C ILE B 677 -43.3749 3.652 80.729 1.00 22.03
11521 C LEU B 676 -46.651 5.633 78.748 1.00 22.40 11522 O LEU B 676 -47.599 4.936 78.368 1.00 23.59 11523 N ILE B 677 -45.465 5.119 79.034 1.00 21.89 11525 CB ILE B 677 -44.180 3.694 78.857 1.00 21.46 11525 CG ILE B 677 -44.180 3.514 77.735 1.00 22.48 11527 CDI ILE B 677 -43.697 4.172 76.463 1.00 20.48 11528 CG2 ILE B 677 -43.876 2.041 77.544 1.00 21.69 11529 C ILE B 677 -43.876 2.041 77.544 1.00 21.61 11529 C ILE B 677 -43.876 2.041 77.544 1.00 19.66 11529 C ILE B 677 -43.749 3.632 80.729 1.00 22.16
11522 O LEU B 676 -47.599 4.936 78.368 1.00 22.59 11523 N ILE B 677 -45.645 5.119 79.034 1.00 21.49 11525 CB ILE B 677 -44.180 3.514 77.735 1.00 21.46 11525 CB ILE B 677 -44.180 3.514 77.735 1.00 21.46 11526 CG1 ILE B 677 -44.697 4.172 76.463 1.00 20.48 11527 CD1 ILE B 677 -43.713 4.108 73.237 1.00 22.71 11528 CG2 ILE B 677 -43.76 2.041 77.534 1.00 19.66 11529 C ILE B 677 -44.608 3.055 80.089 1.00 21.16 11530 O ILE B 677 -43.749 3.632 80.729 1.00 22.16
11523 N LLE B 677 -45.465 5.119 79.034 1.00 22.89 11524 CA LLE B 677 -45.191 3.694 78.857 1.00 21.96 11525 CB LLE B 677 -44.180 3.514 77.735 1.00 21.56 11526 CG1 LLE B 677 -44.697 4.172 76.463 1.00 20.48 11527 CD1 LLE B 677 -43.876 2.041 77.544 1.00 19.66 11529 C LLE B 677 -43.876 2.041 77.544 1.00 19.66 11529 C LLE B 677 -44.608 3.055 80.089 1.00 22.16 11530 O LLE B 677 -43.749 3.632 80.729 1.00 22.16
11524 CA ILE B 677 -45.191 3.694 78.887 1.00 21.46 11525 CB ILE B 677 -44.180 3.514 77.735 1.00 21.56 11526 CGI ILE B 677 -44.697 4.172 76.463 1.00 20.48 11527 CDI ILE B 677 -43.876 2.041 77.544 1.00 19.66 11528 CGZ ILE B 677 -43.876 2.041 77.544 1.00 19.66 11529 C ILE B 677 -44.608 3.055 80.089 1.00 21.16 11530 O ILE B 677 -43.794 3.632 80.729 1.00 22.01
11525 CB ILE B 677 -44.180 3.514 77.735 1.00 21.56 11526 CG1 ILE B 677 -44.697 4.172 76.463 1.00 20.48 11527 CD1 ILE B 677 -43.713 4.108 75.327 1.00 22.71 11528 CG2 ILE B 677 -43.876 2.041 77.544 1.00 19.66 11529 C ILE B 677 -44.608 3.055 80.089 1.00 21.16 11530 O ILE B 677 -43.749 3.632 80.729 1.00 22.03
11526 CG1 ILE B 677 -44.697 4.172 76.463 1.00 20.48 11527 CD1 ILE B 677 -43.713 4.108 75.327 1.00 22.71 11528 CG2 ILE B 677 -43.876 2.041 77.544 1.00 19.66 11529 C ILE B 677 -44.608 3.055 80.089 1.00 21.16 11530 O ILE B 677 -43.749 3.632 80.729 1.00 22.03
11527 CDI ILE B 677 -43.713 4.108 75.327 1.00 22.71 11528 CG2 ILE B 677 -43.876 2.041 77.544 1.00 19.66 11529 C ILE B 677 -44.608 3.055 80.089 1.00 21.16 11530 O ILE B 677 -43.749 3.632 80.729 1.00 22.03
11528 CG2 ILE B 677 -43.876 2.041 77.544 1.00 19.66 11529 C ILE B 677 -44.608 3.055 80.089 1.00 21.16 11530 O ILE B 677 -43.749 3.632 80.729 1.00 22.03
11529 C ILE B 677 -44.608 3.055 80.089 1.00 21.16 11530 O ILE B 677 -43.749 3.632 80.729 1.00 22.03
11530 O ILE B 677 -43.749 3.632 80.729 1.00 22.03
11532 CA HIS B 678 -44.548 1.208 81.613 1.00 21.16
11533 CB HIS B 678 -45.262 1.774 82.848 1.00 20.85
11534 CG HIS B 678 -44.387 1.869 84.052 1.00 20.59
11535 ND1 HIS B 678 -43.817 0.764 84.642 1.00 22.12
11536 CE1 HIS B 678 -43.087 1.145 85.676 1.00 23.15
11537 NE2 HIS B 678 -43.158 2.462 85.771 1.00 25.82
11538 CD2 HIS B 678 -43.971 2.940 84.770 1.00 21.07
11539 C HIS B 678 -44.767 -0.298 81.548 1.00 21.06
11540 O HIS B 678 -45.797 -0.750 81.051 1.00 21.04
11541 N GLY B 679 -43.818 -1.073 82.072 1.00 20.72
11542 CA GLY B 679 -43.981 -2.512 82.086 1.00 20.65
11543 C GLY B 679 -44.753 -2.895 83.326 1.00 21.24
11544 O GLY B 679 -44.522 -2.338 84.403 1.00 21.36
11545 N THR B 680 -45.656 -3.858 83.216 1.00 21.21
11546 CA THR B 680 -46.439 -4.189 84.384 1.00 21.71
11547 CB THR B 680 -47.714 -4.958 84.010 1.00 22.25
11548 OG1 THR B 680 -47.377 -6.256 83.499 1.00 20.42
11549 CG2 THR B 680 -48.435 -4.238 82.863 1.00 20.27
11550 C THR B 680 -45.659 -4.920 85.468 1.00 22.64
11551 O THR B 680 -46.084 -4.924 86.646 1.00 23.38
11552 N ALA B 681 -44.535 -5.536 85.094 1.00 22.23
11553 CA ALA B 681 -43.735 -6.284 86.057 1.00 21.88
11554 CB ALA B 681 -43.446 -7.693 85.517 1.00 22.40
11555 C ALA B 681 -42.425 -5.557 86.396 1.00 22.23
11556 O ALA B 681 -41.370 -6.188 86.623 1.00 21.47
11557 N ASP B 682 -42.484 -4.230 86.378 1.00 21.85
11558 CA ASP B 682 -41.322 -3.435 86.711 1.00 22.43
11559 CB ASP B 682 -41.469 -2.007 86.192 1.00 22.15
11560 CG ASP B 682 -40.188 -1.243 86.262 1.00 22.54
11561 OD1 ASP B 682 -39.992 -0.307 85.432 1.00 19.13
11562 OD2 ASP B 682 -39.315 -1.527 87.131 1.00 24.17
11563 C ASP B 682 -41.107 -3.488 88.226 1.00 22.44
11564 O ASP B 682 -41.922 -2.991 88.997 1.00 22.84
11565 N ASP B 683 -40.036 -4.161 88.635 1.00 22.29
11566 CA ASP B 683 -39.717 -4.368 90.044 1.00 22.46
11567 CB ASP B 683 -38.888 -5.636 90.193 1.00 22.70

FIGURE 3 HS

A	В	C	D	E	1	?	G		H	I	J
			_								
11568	CG	ASP			-37.0		-5.580		.379		21.98
11569		ASP			-37.6		-5.817		.142		21.50
11570	OD2	ASP			-36.		-5.289		.890		19.87
11571	C	ASP			-38.8		-3.221		.593		22.43
11572	0	ASP			-38.6		-3.113		.800		22.89
11573	N	ASN		684	-38.4		-2.377		.691		22.67
11574	CA	ASN		684	-37.6		-1.224		.030		22.77
11575	CB	ASN		684	-36.5		-1.018		.946		22.51
11576	CG	ASN		684	-35.3		-0.215		.429	1.00	24.70
11577	OD1	ASN			-34.2		-0.429		.002		25.50
11578	ND2	ASN			-35.0		0.720		.342		25.07
11579	С	ASN			-38.4		0.051		.211		22.72
11580	0	ASN			-38.6		0.521		.326		21.14
11581	N	VAL			-38.5		0.647		.118		22.57
11582	CA	VAL			-39.5		1.715		.304		22.58
11583	CB	VAL			-39.5		3.007		.549		22.83
11584	CG1	VAL		685	-38.		3.053		.203		21.94
11585	CG2	VAL		685	-40.4		3.173		.359		24.06
11586	C	VAL		685	-41.2		1.097		.001	1.00	22.01
11587	0	VAL		685	-41.5		0.713		.893		22.70
11588	N	HIS			-42.0		0.935		.050	1.00	21.89
11589	CA	HIS			-43.2		0.196		.990	1.00	22.12
11590	CB	HIS			-43.		-0.013		.408		21.20
11591	CG	HIS			-42.		-0.645		.284	1.00	
11592		HIS			-42.6		-0.411		.640		21.73
11593				686	-41.6		-1.096		.136		22.17
11594		HIS			-41.0		-1.750		.147		20.29
11595		HIS		686	-41.		-1.479		.977		20.36
11596	C	HIS		686	-44.2		0.798		.059	1.00	21.76
11597	0	HIS		686	-44.3		2.003		.897		21.68
11598	N	PHE	В	687	-45.0		-0.078		.413	1.00	22.26
11599	CA	PHE		687	-46.0		0.330		.460		22.39
11600	CB			687	-46.8		-0.887		.014		22.17
11601	CG	PHE	В	687	-47.8		-0.572	86	.006		22.72
11602	CD1		В	687	-47.5		-0.436		.666		21.38
11603	CE1	PHE	В	687	-48.4		-0.142	83	.740		21.54
11604	CZ	PHE	В	687	-49.8		0.044		.141		21.45
11605	CE2	PHE	В	687	-50.3		-0.076	85	.467		21.25
11606	CD2	PHE	В	687	-49.2	203	-0.393	86	.398	1.00	21.37
11607	C	PHE	В	687	-46.9		1.328	88	.139	1.00	22.85
11608	0	PHE	В	687	-47.5	563	2.191	87	.485	1.00	22.91
11609	N	GLN	В	688	-47.0		1.191	89	.466	1.00	23.57
11610	CA	GLN	В	688	-47	739	2.049	90	.391	1.00	24.37
11611	CB	GLN		688	-47.2		1.790		.824		24.04
11612	CG	GLN	В	688	-47		2.791	92	.861	1.00	25.68
11613	CD	$_{\mathrm{GLN}}$	В	688	-46.5		2.851		.149	1.00	26.71
11614	OE1	GLN	В	688	-45.	749	2.652	94	.143	1.00	27.21
11615	NE2	GLN	В	688	-47.6	525	3.115	95	.252	1.00	28.39
11616	C	GLN	В	688	-47.4	189	3.501	90	.050	1.00	24.16
11617	0	GLN	В	688	-48.3	390	4.319	89	.960	1.00	24.28
11618	N	GLN	В	689	-46.2	227	3.780	89	.833	1.00	24.39

FIGURE 3 HT

A	В	C	D	E	F	G	H	I	J
11619	CA	GLN			-45.716	5.111	89.555		24.90
11620	CB	GLN			-44.213	4.921	89.380		24.89
11621	CG	GLN			-43.351	6.093	89.446		29.13
11622	CD	GLN			-42.643	6.286	90.782		30.33
11623	OE1	GLN			-42.614	7.396	91.266	1.00	
11624	NE2	GLN			-42.031	5.245	91.333	1.00	30.33
11625	C	GLN			-46.420	5.690	88.312		24.89
11626	0	GLN		689	-46.926	6.817	88.322		24.56
11627	N	SER		690	-46.503	4.910	87.241		24.52
11628	CA			690	-47.227	5.386	86.062		24.06
11629	CB			690	-46.801	4.653	84.797		23.60
11630	OG			690	-45.753	5.350	84.176		24.82
11631	С			690	-48.742	5.262	86.250		23.47
11632	0			690	-49.495	6.037	85.702		23.46
11633	N	ALA			-49.188	4.297	87.035		22.97
11634	CA	ALA	В	691	-50.622	4.206	87.320	1.00	23.09
11635	CB	ALA			-50.913	2.993	88.171		21.96
11636	C	ALA	В	691	-51.164	5.490	87.992	1.00	23.33
11637	0	ALA	В	691	-52.297	5.891	87.758		23.06
11638	N	GLN	В	692	-50.358	6.115	88.848	1.00	23.59
11639	CA	GLN	В	692	-50.767	7.358	89.479	1.00	23.92
11640	CB	GLN	В	692	-50.005	7.608	90.777	1.00	23.48
11641	CG	GLN	В	692	-50.201	6.512	91.794	1.00	24.15
11642	CD	GLN	В	692	-51.483	6.655	92.580		23.96
11643	OE1	GLN	В	692	-52.332	7.479	92.254	1.00	23.98
11644	NE2	GLN	В	692	-51.630	5.845	93.618	1.00	24.58
11645	C	GLN	В	692	-50.637	8.540	88.539	1.00	23.75
11646	0	GLN	В	692	-51.447	9.466	88.600	1.00	24.89
11647	N	ILE	В	693	-49.661	8.534	87.646	1.00	23.63
11648	CA	ILE	В	693	-49.625	9.635	86.695	1.00	23.61
11649	CB	ILE	В	693	-48.448	9.547	85.729	1.00	23.53
11650	CG1	ILE	В	693	-47.132	9.755	86.446	1.00	22.66
11651	CD1	ILE	В	693	-45.967	9.319	85.588	1.00	19.56
11652	CG2	ILE	В	693	-48.568	10.607	84.642	1.00	22.24
11653	С	ILE	В	693	-50.908	9.594	85.898	1.00	24.18
11654	0	ILE	В	693	-51.605	10.579	85.813	1.00	24.84
11655	N	SER	В	694	-51.234	8.429	85.338	1.00	24.50
11656	CA	SER	В	694	-52.399	8.319	84.456	1.00	24.84
11657	CB	SER	В	694	-52.510	6.927	83.814	1.00	24.09
11658	OG	SER	В	694	-52.933	5.961	84.765	1.00	23.12
11659	С	SER	В	694	-53.683	8.687	85.172	1.00	24.78
11660	0	SER	В	694	-54.517	9.362	84.618	1.00	24.83
11661	N	LYS	В	695	-53.841	8.224	86.400	1.00	25.10
11662	CA	LYS			-55.038	8.536	87.162		25.16
11663	CB	LYS			-55.053	7.777	88.494		24.97
11664	CG	LYS			-56.173	8.181	89.449		24.11
11665	CD	LYS		695	-56.591	7.037	90.321		23.85
11666	CE	LYS			-55.439	6.603	91.228		26.36
11667	NZ	LYS			-54.961	7.687	92.144	1.00	
11668	С	LYS			-55.132	10.048	87.387		25.98
11669	0	LYS	В	695	-56.220	10.615	87.364		26.20

FIGURE 3 HU

11670 N NT N D 606	26 20
11670 N ALA B 696 -53.990 10.704 87.581 1.00 2	
11671 CA ALA B 696 -53.991 12.151 87.789 1.00 2	
	26.31
	26.34
11674 O ALA B 696 -54.947 13.963 86.581 1.00	
11675 N LEU B 697 -53.897 12.378 85.388 1.00	
	26.97
	26.55
	27.21
11679 CD1 LEU B 697 -51.087 11.965 82.023 1.00 2	
11680 CD2 LEU B 697 -51.490 14.191 82.979 1.00 2	
11681 C LEU B 697 -55.676 12.884 83.783 1.00	
	27.46
	27.87
11684 CA VAL B 698 -57.650 11.501 83.937 1.00 2	
11685 CB VAL B 698 -57.975 10.027 84.251 1.00 2	
11686 CG1 VAL B 698 -59.498 9.805 84.293 1.00 2	
11687 CG2 VAL B 698 -57.290 9.114 83.225 1.00 2	
	28.67
11689 O VAL B 698 -59.501 12.963 84.358 1.00	
	28.50
11691 CA ASP B 699 -58.772 13.302 87.028 1.00 3	
11692 CB ASP B 699 -58.153 13.104 88.414 1.00 2	
	32.75
	35.84
	34.23
11696 C ASP B 699 -58.883 14.785 86.656 1.00 2 11697 O ASP B 699 -59.751 15.470 87.180 1.00 2	29.99
	29.61
	30.33
	31.00
	29.84
	30.71
	30.05
	30.40
	29.65
	28.66
	28.50
	29.25
11709 N VAL B 702 -57.144 15.497 80.938 1.00 2	
	27.99
	27.91
	30.45
11713 CG2 VAL B 702 -53.636 15.576 79.583 1.00 2	
11714 C VAL B 702 -56.008 14.286 79.157 1.00 2	
	27.62
	26.84
	27.00
	26.61
11719 CG ASP B 703 -56.669 12.151 74.820 1.00	
11720 OD1 ASP B 703 -56.231 12.229 73.648 1.00 2	

FIGURE 3 HV

A	В	С	D	Е	F	G	H	I	J
11721	OD2	ASP	R	703	-57.050	11.037	75.242	1.00	28.34
11722	C	ASP		703	-54.468	12.927	76.741	1.00	26.68
11723	0	ASP	В	703	-53.685	13.868	76.562	1.00	27.08
11724	N	PHE	В	704	-54.086	11.656	76.706	1.00	25.57
11725	CA	PHE	В	704	-52.683	11.307	76.492	1.00	25.16
11726	CB	PHE	В	704	-51.912	11.325	77.829	1.00	24.13
11727	CG	PHE	В	704	-52.535	10.459	78.873	1.00	23.39
11728	CD1	PHE	В	704	-52.062	9.175	79.101	1.00	21.02
11729	CE1	PHE	В	704	-52.640	8.371	80.034		20.61
11730	CZ	PHE	В	704	-53.741	8.822	80.761	1.00	
11731	CE2	PHE	В	704	-54.237	10.090	80.538	1.00	21.66
11732	CD2	PHE	В	704	-53.638	10.905	79.590	1.00	21.85
11733 11734	C	PHE	ВВ	704	-52.655 -53.671	9.919 9.236	75.907 75.908	1.00	25.36
11735	N	GLN		705	-51.496	9.505	75.406	1.00	
11736	CA		В	705	-51.319	8.160	74.871	1.00	26.19
11737	CB	GLN		705	-50.410	8.200	73.660	1.00	26.63
11738	CG	GLN		705	-50.825	9.215	72.654	1.00	30.83
11739	CD	GLN		705	-52.008	8.760	71.880	1.00	34.97
11740	OE1	GLN		705	-53.039	9.419	71.884	1.00	37.84
11741	NE2		В	705	-51.870	7.627	71.194	1.00	38.25
11742	С	GLN	В	705	-50.667	7.261	75.904	1.00	25.75
11743	0	GLN	В	705	-49.761	7.691	76.617	1.00	25.97
11744	N	ALA	В	706	-51.104	6.010	75.973	1.00	24.70
11745	CA	ALA	В	706	-50.492	5.076	76.906	1.00	24.31
11746	CB	ALA	В	706	-51.415	4.830	78.101	1.00	23.90
11747	C	ALA		706	-50.139	3.746	76.240	1.00	23.82
11748	0	ALA		706	-50.665	3.390	75.192		23.72
11749	N	MET	В	707	-49.202	3.041	76.851	1.00	
11750	CA	MET	В	707	-48.905	1.680	76.481	1.00	21.51
11751	CB	MET	В	707	-47.860	1.633	75.378	1.00	22.13
11752	CG	MET	В	707	-47.485	0.215	74.945	1.00	
11753 11754	SD CE	MET	В	707	-48.900 -49.333	-0.708 0.205	74.359 72.848	1.00	21.84
11755	C	MET	В	707	-49.333	0.203	77.711	1.00	21.21
11756	Ö	MET	В	707	-47.397	1.420	78.309	1.00	20.81
11757	N	TRP	В	708	-49.043	-0.092	78.124	1.00	20.75
11758	CA	TRP		708	-48.482	-0.906	79.182	1.00	20.19
11759	CB	TRP	В	708	-49.562	-1.433	80.127	1.00	19.59
11760	CG	TRP		708	-50.393	-2.489	79.545	1.00	20.81
11761	CD1	TRP	В	708	-50.052	-3.802	79.386	1.00	21.15
11762	NE1	TRP	В	708	-51.083	-4.485	78.793	1.00	20.70
11763	CE2	TRP	В	708	-52.116	-3.615	78.552	1.00	19.88
11764	CD2	TRP	В	708	-51.716	-2.350	79.011	1.00	20.38
11765	CE3	TRP		708	-52.614	-1.275	78.884	1.00	19.56
11766	CZ3	TRP		708	-53.837	-1.500	78.317	1.00	19.59
11767	CH2	TRP		708	-54.209	-2.782	77.868	1.00	19.43
11768	CZ2	TRP		708	-53.368	-3.845	77.979	1.00	19.34
11769	C	TRP		708	-47.779	-2.035	78.447	1.00	20.09
11770	0	TRP		708	-48.099	-2.289	77.290	1.00	19.23
11771	И	TYR	В	709	-46.797	-2.667	79.093	1.00	20.28

FIGURE 3 HW

A	В	C	D	Е	F	G	H	I	J
11772	CA	TYR	R	709	-46.100	-3.838	78.526	1.00	20.63
11773	CB	TYR		709	-44.627	-3.558	78.185		20.56
11774	CG	TYR		709	-44.559	-2.898	76.860	1.00	19.84
11775	CD1	TYR		709	-44.767	-3.636	75.697	1.00	20.28
11776	CE1	TYR		709	-44.775	-3.035	74.461	1.00	19.85
11777	CZ	TYR		709	-44.565	-1.685	74.371	1.00	19.86
11778	OH	TYR		709	-44.574	-1.101	73.136	1.00	22.81
11779	CE2	TYR		709	-44.349	-0.923	75.504	1.00	20.72
11780	CD2	TYR		709	-44.356	-1.533	76.750	1.00	20.59
11781	C	TYR		709	-46.226	-4.983	79.484	1.00	20.70
11782	Ö	TYR		709	-45.549	-5.038	80.518	1.00	21.14
11783	N	THR		710	-47.137	-5.883	79.141	1.00	21.25
11784	CA	THR		710	-47.445	-7.024	79.962		21.25
11785	CB	THR		710	-48.380	-7.953	79.229		21.37
11786	OG1	THR		710	-49.648	-7.307	79.012		23.03
11787	CG2	THR		710	-48.689	-9.129	80.132		20.84
11788	C	THR		710	-46.209	-7.831	80.348		21.64
11789	ŏ	THR		710	-45.524	-8.376	79.485	1.00	20.62
11790	N	ASP	В	711	-45.962	-7.910	81.658	1.00	21.81
11791	CA	ASP		711	-44.898	-8.742	82.220		21.69
11792	CB	ASP	В	711	-45.033	-10.195	81.760		21.54
11793	CG	ASP	В	711	-46.143	-10.910	82.466		22.07
11794	OD1	ASP		711	-46.391	-12.086	82.139		25.01
11795	OD2		В	711	-46.829	-10.388	83.367		22.35
11796	C	ASP		711	-43.514	-8.254	81.928		21.52
11797	Ö	ASP		711	-42.540	-8.946	82.237		21.95
11798	N	GLU		712	-43.391	-7.084	81.320		21.74
11799	CA	GLU		712	-42.044	-6.549	81.114	1.00	22.19
11800	CB	GLU	В	712	-41.981	-5.609	79.929	1.00	22.12
11801	CG	GLU		712	-42.177	-6.311	78.603	1.00	23.30
11802	CD	GLU		712	-41.056	-7.288	78.295	1.00	24.89
11803	OE1	GLU		712	-41.288	-8.517	78.332		24.79
11804	OE2	GLU		712	-39.940	-6.828	77.996		26.46
11805	C	GLU		712	-41.557	-5.842	82.378		22.56
11806	Ö	GLU		712	-42.365	-5.440	83.211		22.17
11807	N	ASP	В	713	-40.237	-5.715	82.529		23.00
11808	CA	ASP		713	-39.697	-5.030	83.696		23.22
11809	CB	ASP		713	-38.779	-5.928	84.524	1.00	22.79
11810	CG	ASP	В	713	-37.508	-6.282	83.814	1.00	23.44
11811		ASP		713	-36.781	-7.146	84.337		26.49
11812	OD2	ASP	В	713	-37.115	-5.729	82.771	1.00	23.72
11813	C	ASP		713	-39.069	-3.705	83.306		23.04
11814	Ö	ASP		713	-39.365	-3.180	82.246		22.35
11815	N	HIS	В	714	-38.218	-3.163	84.168		23.71
11816	CA		В	714	-37.661	-1.825	83.958		24.48
11817	CB	HIS	В	714	-36.754	-1.429	85.132		24.46
11818	CG	HIS	В	714	-36.548	0.048	85.238		25.34
11819	ND1	HIS		714	-37.591	0.944	85.168		26.61
11820	CE1	HIS	В	714	-37.126	2.171	85.268	1.00	25.20
11821	NE2	HIS		714	-35.816	2.107	85.401		27.88
11822		HIS		714	-35.426	0.790	85.370		27.76
-1022	CDZ	1110	D	114	JJ.420	0.750	33.370	1.00	27.70

FIGURE 3 HX

A	В	С	D	E	F	G	H	I	J
			_						
11823	C	HIS		714	-36.938	-1.613	82.639		24.78
11824	0	HIS		714	-36.947	-0.524	82.089		25.49
11825	N	GLY		715	-36.297	-2.653	82.123		25.54
11826	CA	GLY		715	-35.611	-2.519	80.855		25.38
11827	C	GLY		715	-36.467	-2.725	79.611	1.00	
11828	0	GLY		715	-36.037	-2.346	78.533		24.63
11829	N		В	716	-37.669	-3.297	79.762		25.14
11830	CA	ILE		716	-38.542	-3.599	78.625	1.00	
11831	CB	ILE	В	716	-39.311	-2.336	78.151	1.00	25.99
11832	CG1	ILE		716	-40.025	-1.689	79.353		25.69
11833	CD1	ILE		716	-40.970	-0.580	78.995	1.00	
11834	CG2		В	716	-40.290	-2.705	77.023		22.30
11835	C	ILE		716	-37.675	-4.115	77.519		26.05
11836	0	ILE		716	-37.685	-3.606	76.395	1.00	
11837	N	ALA		717	-36.932	-5.159	77.851	1.00	
11838	CA	ALA		717	-35.891	-5.655	76.982		28.36
11839	CB	ALA		717	-34.554	-5.691	77.758	1.00	
11840	С	ALA		717	-36.146	-6.995	76.307		29.08
11841	0	ALA		717	-35.255	-7.502	75.629	1.00	
11842	N	SER		718	-37.314	-7.604	76.511	1.00	
11843	CA	SER		718	-37.601	-8.795	75.737	1.00	
11844	CB	SER		718	-39.074	-9.196	75.878	1.00	
11845	OG	SER		718	-39.357	-9.608	77.204	1.00	34.20
11846	C	SER		718	-37.356	-8.409	74.293	1.00	
11847	0	SER	В	718	-37.622	-7.288	73.891	1.00	29.25
11848	N	SER	В	719	-36.893	-9.333	73.482		27.65
11849	CA	SER	В	719	-36.711	-9.023	72.065	1.00	27.04
11850	CB	SER	В	719	-36.265	-10.261	71.277		27.06
11851	OG	SER	В	719	-36.278	-9.967	69.882	1.00	29.49
11852	С	SER	В	719	-37.959	-8.400	71.411	1.00	25.40
11853	0	SER	В	719	-37.870	-7.392	70.750	1.00	
11854	N	THR	В	720	-39.123	-8.993	71.585	1.00	24.04
11855	CA	THR	В	720	-40.297	-8.452	70.913	1.00	22.83
11856	CB	THR	В	720	-41.410	-9.492	70.864	1.00	23.35
11857	OG1	THR	В	720	-41.764	-9.841	72.211	1.00	21.44
11858	CG2	THR	В	720	-40.905	-10.789	70.212	1.00	21.97
11859	С	THR	В	720	-40.859	-7.182	71.539	1.00	22.49
11860	0	THR	В	720	-41.493	-6.385	70.854	1.00	21.74
11861	N	ALA	В	721	-40.657	-7.006	72.837	1.00	21.92
11862	CA	ALA	В	721	-41.153	-5.822	73.494	1.00	21.78
11863	CB	ALA	В	721	-41.192	-6.010	74.993	1.00	21.88
11864	С	ALA	В	721	-40.238	-4.687	73.135	1.00	21.73
11865	0	ALA	В	721	-40.673	-3.570	72.946	1.00	22.65
11866	N	HIS	В	722	-38.954	-4.972	73.026	1.00	21.57
11867	CA	HIS	В	722	-38.021	-3.930	72.682	1.00	21.04
11868	CB	HIS	В	722	-36.600	-4.479	72.664	1.00	21.05
11869	CG	HIS	В	722	-35.612	-3.558	72.039	1.00	19.68
11870	ND1	HIS	В	722	-35.006	-2.538	72.737	1.00	22.51
11871	CE1	HIS	В	722	-34.161	-1.902	71.937	1.00	21.88
11872	NE2	HIS	В	722	-34.209	-2.469	70.744	1.00	21.58
11873	CD2	HIS	В	722	-35.105	-3.511	70.783	1.00	21.16

FIGURE 3 HY

A	В	С	D	E	F	G	H	I	J
			_		20.250				
11874	C	HIS		722	-38.358	-3.346	71.324		20.87
11875	0	HIS		722	-38.406	-2.134	71.153		19.87
11876	N	GLN		723	-38.578	-4.225	70.352		21.21
11877	CA	GLN		723	-38.908	-3.790	69.000		21.55
11878	CB	GLN		723	-38.942	-4.997	68.076		21.92
11879	CG	GLN		723	-37.624	-5.736	68.007		22.78
11880	CD	GLN		723	-37.721	-6.987	67.167		24.29
11881	OE1	GLN		723	-38.058	-6.918	65.984	1.00	
11882	NE2	GLN		723	-37.435	-8.132	67.769	1.00	21.70
11883	С	GLN		723	-40.249	-3.057	68.943		21.47
11884	0	GLN		723	-40.413	-2.103	68.184		21.50
11885	N	HIS		724	-41.188	-3.491	69.778		20.78
11886	CA	HIS		724	-42.523	-2.911	69.812	1.00	
11887	CB	HIS		724	-43.445	-3.800	70.654	1.00	20.00
11888	CG	HIS		724	-44.902	-3.560	70.418	1.00	18.84
11889	ND1	HIS		724	-45.612	-2.569	71.064	1.00	19.92
11890	CE1	HIS		724	-46.866	-2.585	70.645	1.00	17.53
11891	NE2	HIS		724	-46.996	-3.565	69.771	1.00	17.21
11892	CD2	HIS		724	-45.787	-4.191	69.615	1.00	15.78
11893	С	HIS	В	724	-42.533	-1.503	70.409		21.09
11894	0	HIS		724	-43.173	-0.603	69.870	1.00	
11895	N		В	725	-41.853	-1.306	71.533		20.56
11896	CA	ILE		725	-41.890	0.014	72.136		20.54
11897	CB		В	725	-41.319	0.009	73.561	1.00	
11898	CG1	ILE	В	725	-41.542	1.368	74.222	1.00	18.92
11899	CD1	ILE	В	725	-40.936	1.452	75.618	1.00	20.02
11900	CG2	ILE	В	725	-39.827	-0.372	73.551	1.00	20.46
11901	C	ILE		725	-41.211	1.045	71.221	1.00	20.60
11902	0	ILE	В	725	-41.759	2.115	70.991	1.00	20.39
11903	N	TYR	В	726	-40.055	0.702	70.661	1.00	20.43
11904	CA	TYR	В	726	-39.371	1.603	69.741	1.00	20.55
11905	CB	TYR	В	726	-37.958	1.100	69.426	1.00	20.49
11906	CG	TYR	В	726	-37.053	1.454	70.565	1.00	21.28
11907	CD1	TYR	В	726	-36.745	0.525	71.568	1.00	20.93
11908	CE1	TYR	В	726	-35.961	0.897	72.636	1.00	22.34
11909	CZ	TYR	В	726	-35.494	2.211	72.700	1.00	22.45
11910	OH	TYR	В	726	-34.705	2.628	73.723	1.00	24.15
11911	CE2	TYR	В	726	-35.813	3.128	71.742	1.00	20.64
11912	CD2	TYR		726	-36.594	2.765	70.706	1.00	19.99
11913	С	TYR	В	726	-40.195	1.857	68.482		20.85
11914	0	TYR	В	726	-40.174	2.961	67.917	1.00	21.68
11915	N	THR	В	727	-40.940	0.844	68.065	1.00	20.74
11916	CA	THR	В	727	-41.820	0.970	66.927	1.00	20.32
11917	CB	THR	В	727	-42.397	-0.412	66.508	1.00	20.53
11918	OG1	THR	В	727	-41.372	-1.229	65.929	1.00	20.62
11919	CG2	THR	В	727	-43.383	-0.250	65.341	1.00	18.90
11920	C	THR	В	727	-42.943	1.913	67.344	1.00	20.94
11921	0	THR	В	727	-43.314	2.827	66.605	1.00	20.27
11922	N	HIS	В	728	-43.480	1.698	68.545	1.00	21.17
11923	CA	HIS	В	728	-44.569	2.530	69.002	1.00	21.72
11924	CB	HIS	В	728	-45.181	1.959	70.268	1.00	21.45

FIGURE 3 HZ

1925 CG
11926 ND1 HIS B 728
11927 CEI HIS B 728
11928 NE2 HIS B 728
11930 CD
1930 C
1931
11932 N MET B 729
11933 CA MET B 729 -42.424 5.505 69.999 1.00 23.86 11934 CB MET B 729 -41.213 5.471 70.930 1.00 23.04 11935 CG MET B 729 -41.611 5.015 72.310 1.00 24.70 11936 SD MET B 729 -40.337 5.244 73.518 1.00 27.86 11937 CE MET B 729 -40.337 5.244 73.518 1.00 24.70 11938 C MET B 729 -42.133 6.255 66.699 1.00 23.07 11939 O MET B 729 -42.133 6.255 66.699 1.00 23.07 11939 O MET B 729 -42.133 6.255 66.604 1.00 23.08 11940 N SER B 730 -41.654 5.554 66.616 1.00 23.08 11941 CA SER B 730 -40.686 5.335 65.445 1.00 23.64 11942 CB SER B 730 -40.686 5.335 65.445 1.00 23.64 11944 C SER B 730 -42.665 6.817 65.805 1.00 24.78 11945 O SER B 730 -42.665 6.817 65.805 1.00 24.78 11946 N MIS B 731 -43.772 6.022 65.871 1.00 25.05 11947 CA HIS B 731 -46.156 5.73 65.305 1.00 26.18 11948 CB HIS B 731 -46.156 5.73 65.305 1.00 26.18 11949 CG HIS B 731 -46.22 4.376 64.543 1.00 29.11 11950 NDI HIS B 731 -46.22 4.376 64.543 1.00 29.11 11951 CE HIS B 731 -46.265 2.234 64.018 1.00 27.44 11955 O HIS B 731 -45.750 2.913 62.927 1.00 34.46 11955 O HIS B 731 -45.433 7.792 66.664 1.00 25.82 11955 O HIS B 731 -45.843 7.792 66.664 1.00 25.82 11955 O HIS B 731 -45.843 7.792 66.664 1.00 25.82 11955 O HIS B 731 -45.843 7.792 66.664 1.00 25.82 11955 O HIS B 731 -45.843 7.792 66.664 1.00 25.82 11955 O HIS B 731 -45.843 7.792 66.664 1.00 25.82 11955 O HIS B 731 -45.843 7.792 66.664 1.00 25.82 11955 O HIS B 731 -45.843 7.792 66.664 1.00 25.82 11956 O HIS B 731 -45.874 7.792 66.664 1.00 25.82 11956 O HIS B 731 -45.874 7.792 66.664 1.00 25.62 11956 O HIS B 731 -45.874 7.792 66.664 1.00
1934 CB MET B 729
1936 CG MET B 729 -41.611 5.015 72.310 1.00 24.70 1936 SD MET B 729 -40.337 5.244 73.518 1.00 27.86 1937 CE MET B 729 -39.049 4.336 72.788 1.00 24.03 11938 C MET B 729 -42.133 6.255 68.616 1.00 23.07 11940 N SER B 730 -41.336 6.256 66.630 1.00 23.07 11941 CA SER B 730 -41.398 6.236 66.430 1.00 23.07 11942 CB SER B 730 -41.398 6.236 66.430 1.00 23.07 11943 OS SER B 730 -40.686 5.335 65.445 1.00 23.27 11944 C SER B 730 -40.686 6.335 65.345 1.00 23.27 11944 C SER B 730 -42.665 6.817 6.082 6.084 1.00 22.94 11945 OS SER B 730 -42.665 6.817 6.596 6.084 1.00 25.18 11946 N HIS B 731 -45.665 6.817 6.596 6.301 1.00 25.18 11947 CA HIS B 731 -46.156 5.573 65.265 1.00 26.41 11949 CB HIS B 731 -46.222 4.376 64.543 1.00 29.11 11950 NDI HIS B 731 -46.222 4.376 64.543 1.00 29.11 11951 CEI HIS B 731 -46.233 3.095 65.005 1.00 31.92 11952 NEZ HIS B 731 -45.750 2.913 62.927 1.00 34.74 11955 CE HIS B 731 -45.750 2.913 66.064 1.00 25.74 11955 CE HIS B 731 -45.750 2.913 66.064 1.00 25.74 11955 CE HIS B 731 -45.750 2.913 66.064 1.00 25.25 11955 CE HIS B 731 -45.750 2.913 66.064 1.00 25.25 11955 CE HIS B 731 -45.750 2.913 66.064 1.00 25.25 11955 CE HIS B 731 -45.750 2.913 66.064 1.00 25.25 11955 CE HIS B 731 -45.874 8.763 65.365 1.00 26.25 11956 N PHE B 732 -45.874 8.763 67.380 1.00 26.25 11956 N PHE B 732 -45.874 7.782 66.064 1.00 25.82 11956 N PHE B 732 -45.874 7.782 66.364 1.00 26.25 11956 N PHE B 732 -45.874 7.782 66.364 1.00 26.25 11956 N PHE B 732 -45.874 7.782 66.364 7.00 26.25 11957 N PHE B 732 -45.874 7.782 66.364 7.00 26.25 11958 N PHE B 732 -45.874 7.78
11936 SD MET B 729
1937 CE MET B 729 -39.049 4.336 72.788 1.00 24.03 1938 C MET B 729 -42.338 7.458 68.691 1.00 23.08 1940 N SER B 730 -41.654 5.554 67.685 1.00 23.19 1941 C SER B 730 -41.694 6.236 66.430 1.00 23.07 1942 CB SER B 730 -41.694 6.236 66.430 1.00 23.27 1944 C SER B 730 -39.613 4.679 66.084 1.00 23.27 1944 C SER B 730 -42.665 6.817 6.305 1.00 24.48 1945 C SER B 730 -42.665 6.817 6.595 1.00 24.48 1946 N HIS B 731 -43.772 6.082 65.261 1.00 25.18 1947 C A HIS B 731 -46.156 5.573 65.265 1.00 26.41 1949 C B HIS B 731 -46.156 5.573 64.543 1.00 26.41 1949 C B HIS B 731 -46.222 4.376 64.543 1.00 26.41 1959 NDI HIS B 731 -46.233 3.095 65.005 1.00 31.92 1951 CEI HIS B 731 -46.565 2.234 64.168 1.00 27.79 1952 NEZ HIS B 731 -45.750 2.913 62.927 1.00 34.76 1955 O HIS B 731 -45.750 2.913 62.927 1.00 34.74 1955 O HIS B 731 -45.750 2.913 62.927 1.00 34.74 1955 O HIS B 731 -45.750 2.913 66.064 1.00 25.79 1955 O HIS B 731 -45.750 2.913 66.064 1.00 25.79 1955 O HIS B 731 -45.750 2.913 66.064 1.00 25.25 1955 O HIS B 731 -45.750 66.064 67.380 1.00 26.25 1955 O HIS B 731 -45.750 66.064 67.380 67.3
1938 C MET B 729
1939 O MET B 729 -42.338 7.458 68.616 1.00 23.08 1940 N SER B 730 -41.654 5.554 67.665 1.00 23.19 1941 CA SER B 730 -41.398 6.236 66.430 1.00 23.27 1942 CB SER B 730 -39.613 4.679 66.084 1.00 23.27 1944 C SER B 730 -42.636 7.933 65.276 1.00 24.48 1945 O SER B 730 -42.638 7.933 65.276 1.00 25.18 1946 N HIS B 731 -43.077 6.597 65.300 1.00 25.18 1947 CA HIS B 731 -45.017 6.579 65.300 1.00 26.18 1948 CB HIS B 731 -46.156 5.573 65.256 1.00 26.41 1949 CG HIS B 731 -46.22 4.376 64.543 1.00 29.14 1950 NDI HIS B 731 -46.233 3.095 65.005 1.00 31.92 1951 CEI HIS B 731 -46.568 2.234 64.018 1.00 32.79 1952 NEZ HIS B 731 -45.750 2.913 62.927 1.00 34.46 1953 CDZ HIS B 731 -45.750 2.913 62.927 1.00 34.45 1955 O HIS B 731 -45.743 7.792 66.664 1.00 25.28 1955 O HIS B 731 -45.443 7.792 66.064 1.00 25.25 1955 O HIS B 731 -45.443 7.792 66.064 1.00 25.25 1955 O HIS B 731 -45.433 7.792 66.064 1.00 25.62 1955 O HIS B 731 -45.433 7.792 66.064 1.00 25.62 1955 O HIS B 731 -45.433 7.792 66.064 1.00 25.62 1955 O HIS B 731 -45.874 8.763 65.385 1.00 26.25 1956 N PHE B 732 -45.378 7.708 67.380 1.00 26.02
11940 N SER B 730 -41.654 5.554 67.685 1.00 23.19 11941 CA SER B 730 -40.686 5.335 66.430 1.00 23.64 11942 CB SER B 730 -40.686 5.335 65.445 1.00 23.27 11943 OG SER B 730 -42.666 6.817 65.805 1.00 24.27 11944 C SER B 730 -42.666 6.817 65.805 1.00 24.28 11945 O SER B 730 -42.668 7.933 65.276 1.00 25.05 11946 N HIS B 731 -43.772 6.022 65.871 1.00 25.18 11947 CA HIS B 731 -45.017 6.579 65.300 1.00 26.18 11948 CB HIS B 731 -46.156 5.573 65.425 1.00 26.41 11949 CG HIS B 731 -46.122 4.376 64.543 1.00 29.18 11950 ND1 HIS B 731 -46.222 4.376 64.543 1.00 29.11 11951 CEI HIS B 731 -46.265 2.234 64.018 1.00 32.79 11952 NE2 HIS B 731 -45.750 2.913 62.927 1.00 34.46 11953 CD2 HIS B 731 -45.750 2.913 62.927 1.00 34.46 11954 C HIS B 731 -45.750 2.913 62.927 1.00 34.46 11955 O HIS B 731 -45.433 7.792 66.664 1.00 25.82 11955 O HIS B 731 -45.874 8.763 65.485 1.00 26.25 11955 O HIS B 731 -45.874 8.763 65.385 1.00 26.25 11956 N PHE B 732 -45.878 7.708 67.380 1.00 26.02
11941 CA SER B 730 -41.398 6.236 66.430 1.00 23.64 11942 CB SER B 730 -40.686 5.335 65.445 1.00 23.27 11943 OG SER B 730 -42.665 68.17 65.655 1.00 24.48 11944 C SER B 730 -42.663 7.933 65.276 1.00 25.05 11946 N HIS B 731 -45.017 65.79 65.300 1.00 25.18 11947 CA HIS B 731 -45.017 65.79 65.300 1.00 26.18 11948 CB HIS B 731 -46.156 5.573 65.425 1.00 26.41 11949 CG HIS B 731 -46.126 5.573 65.425 1.00 26.41 11950 ND1 HIS B 731 -46.22 4.376 64.543 1.00 29.11 11951 CEI HIS B 731 -46.22 4.376 64.543 1.00 29.11 11952 NE2 HIS B 731 -45.750 2.913 62.927 1.00 34.46 11953 CD2 HIS B 731 -45.750 2.913 62.927 1.00 34.46 11955 CHIS B 731 -45.443 7.792 66.064 1.00 25.74 11955 O HIS B 731 -45.843 7.792 66.064 1.00 25.25 11955 O HIS B 731 -45.843 7.792 66.064 1.00 25.62 11956 N PHE B 732 -45.878 8.763 67.380 1.00 26.25
11942 CB SER B 730
11943 OS SER B 730 -39.613 4.679 66.084 1.00 22.94 11944 C SER B 730 -42.665 6.817 65.805 1.00 24.48 11945 O SER B 730 -42.638 7.933 65.276 1.00 25.05 11946 N HIS B 731 -43.772 6.579 65.300 1.00 25.18 11947 CA HIS B 731 -45.017 6.579 65.300 1.00 26.18 11949 CB HIS B 731 -46.156 5.573 65.25 1.00 26.41 11949 CB HIS B 731 -46.022 4.376 64.543 1.00 29.11 11950 NDI HIS B 731 -46.233 3.095 65.005 1.00 31.92 11951 CEI HIS B 731 -46.265 2.243 64.018 1.00 32.79 11952 NEZ HIS B 731 -45.750 2.913 62.927 1.00 34.46 11953 CDZ HIS B 731 -45.750 2.913 62.927 1.00 32.74 11955 O HIS B 731 -45.433 7.792 66.064 1.00 25.82 11955 O HIS B 731 -45.874 8.763 65.485 1.00 26.25 11956 N PHE B 732 -45.378 7.708 67.380 1.00 26.25
11944 C SER B 730 -42.665 6.817 65.805 1.00 24.48 11945 N HIS B 731 -42.638 7.933 65.276 1.00 25.05 11946 N HIS B 731 -43.772 6.082 65.871 1.00 25.18 11947 CA HIS B 731 -45.017 6.579 65.300 1.00 26.18 11948 CB HIS B 731 -46.015 65.79 65.300 1.00 26.18 11949 CG HIS B 731 -46.022 4.376 66.425 1.00 26.11 11950 ND1 HIS B 731 -46.022 4.376 64.543 1.00 29.11 11951 CE HIS B 731 -46.058 2.234 64.018 1.00 32.79 11952 NE2 HIS B 731 -45.750 2.913 62.927 1.00 34.46 11953 CD HIS B 731 -45.443 7.792 66.064 1.00 25.82 11955 O HIS B 731 -45.874 8.763 65.485 1.00 26.25 11955 O HIS B 731 -45.874 8.763 65.485 1.00 26.25 11955 O HIS B 732 -45.378 7.708 67.380 1.00 26.25 11956 N PHE B 732 -45.378 7.708 67.380 1.00 26.25 11956 N PHE B 732 -45.378 7.708 67.380 1.00 26.04 11956 N PHE B 732 -45.378 7.708 67.380 1.00 26.04 11956 N PHE B 732 -45.378 7.708 67.380 1.00 26.04 11956 N PHE B 732 -45.378 7.708 67.380 1.00 26.04 11956 N PHE B 732 -45.378 7.708 67.380 1.00 26.04 11956 N PHE B 732 -45.378 7.708 67.380 1.00 26.04 11956 N PHE B 732 -45.378 7.708 67.380 1.00 26.04 11956 N PHE B 732 -45.378 7.708 67.380 1.00 26.04 11956 N PHE B 732 -45.378 7.708 67.380 1.00 26.04 11957 N PHE B 732 -45.378 7.708 67.380 1.00 26.04 11958 N PHE B 732 -45.378 7.708 67.380 1.00 26.04
11945 O SER B 730
11946 N HIS B 731
11947 CA HIS B 731
11948 CB HIS B 731 -46.156 5.573 65.425 1.00 26.41 11949 CG HIS B 731 -46.222 4.376 64.543 1.00 29.11 11950 NDI HIS B 731 -46.233 3.095 65.005 1.00 31.92 11951 CEI HIS B 731 -46.058 2.234 64.018 1.00 32.79 11952 NEZ HIS B 731 -45.750 2.913 62.927 1.00 32.74 11953 CDZ HIS B 731 -45.443 7.792 66.064 1.00 25.82 11955 O HIS B 731 -45.443 7.792 66.064 1.00 25.82 11955 O HIS B 731 -45.443 7.792 66.064 1.00 25.62 11956 N PHE B 732 -45.378 7.708 67.380 1.00 26.25 120
11950 CB HIS B 731
11950 NDI HIS B 731 -46.233 3.095 65.005 1.00 31.92 11951 CEI HIS B 731 -46.508 2.234 46.018 1.00 32.79 11952 NE2 HIS B 731 -45.750 2.913 62.927 1.00 34.46 11953 CDZ HIS B 731 -45.725 4.256 63.229 1.00 32.74 11955 O HIS B 731 -45.443 7.792 66.064 1.00 25.25 11956 N PHE B 732 -45.874 8.763 67.380 67.380 1.00 26.25
1951 CE1 HIS B 731 -46.058 2.234 64.018 1.00 32.79 1952 NE2 HIS B 731 -45.750 2.913 62.927 1.00 34.46 1953 CDZ HIS B 731 -45.725 4.256 63.229 1.00 32.74 1954 C HIS B 731 -45.423 7.792 66.064 1.00 25.82 1955 O HIS B 731 -45.874 8.763 65.485 1.00 26.25 1956 N PHE B 732 -45.378 7.708 67.380 1.00 26.024 1954 N PHE B 732 -45.378 7.708 67.380 1.00 26.04 1955 N PHE B 732 -45.378 7.708 67.380 1.00 26.04 1956 N PHE B 732 -45.378 7.708 67.380 1.00 26.04 1956 N PHE B 732 -45.378 7.708 67.380 1.00 26.04
11952 NE2 HIS B 731 -45.750 2.913 62.927 1.00 34.46 11953 CD2 HIS B 731 -45.725 4.256 63.229 1.00 32.74 11954 C HIS B 731 -45.443 7.792 66.064 1.00 25.82 11955 O HIS B 731 -45.874 8.763 65.485 1.00 26.25 11956 N PHE B 732 -45.378 7.708 67.380 61.380 1.00 26.04
11953 CD2 HIS B 731 -45.725 4.256 63.229 1.00 32.74 11954 C HIS B 731 -45.443 7.792 66.064 1.00 25.82 11955 N PHE B 732 -45.378 7.798 67.380 1.00 26.25 11956 N PHE B 732 -45.378 7.708 67.380 1.00 26.04
11954 C HIS B 731 -45.443 7.792 66.064 1.00 25.82 11955 O HIS B 731 -45.874 8.763 65.485 1.00 26.25 11956 N PHE B 732 -45.378 7.708 67.380 1.00 26.04
11955 O HIS B 731 -45.874 8.763 65.485 1.00 26.25 11956 N PHE B 732 -45.378 7.708 67.380 1.00 26.04
11956 N PHE B 732 -45.378 7.708 67.380 1.00 26.04
11958 CB PHE B 732 -45.669 8.494 69.667 1.00 26.65
11959 CG PHE B 732 -46.009 9.643 70.557 1.00 26.39
11960 CD1 PHE B 732 -47.320 9.903 70.889 1.00 24.34
11961 CE1 PHE B 732 -47.638 10.966 71.694 1.00 26.55
11962 CZ PHE B 732 -46.651 11.795 72.190 1.00 25.55
11963 CE2 PHE B 732 -45.338 11.553 71.869 1.00 26.82
11964 CD2 PHE B 732 -45.020 10.481 71.037 1.00 26.49
11965 C PHE B 732 -44.879 10.002 67.868 1.00 26.82
11966 O PHE B 732 -45.351 11.105 67.691 1.00 26.14
11967 N ILE B 733 -43.579 9.767 67.777 1.00 27.54
11968 CA ILE B 733 -42.705 10.880 67.455 1.00 28.71
11969 CB ILE B 733 -41.221 10.540 67.691 1.00 28.65
11970 CG1 ILE B 733 -40.882 10.734 69.165 1.00 29.46
11971 CD1 ILE B 733 -40.854 12.189 69.598 1.00 31.65
11972 CG2 ILE B 733 -40.335 11.474 66.899 1.00 28.29
11973 C ILE B 733 -42.954 11.426 66.042 1.00 29.24
11974 O ILE B 733 -42.991 12.636 65.855 1.00 29.00
11975 N LYS B 734 -43.150 10.560 65.053 1.00 30.15

FIGURE 3 IA

A	В	С	D	E	F	G	H	1	J
11976	CA	LYS		734	-43.375	11.048	63.689	1.00	31.39
11977	CB	LYS		734	-43.367	9.915	62.657	1.00	31.04
11978	CG	LYS		734	-42.257	8.908	62.869	1.00	32.61
11979	CD	LYS		734	-41.564	8.476	61.598	1.00	33.79
11980	CE	LYS		734	-42.532	8.011	60.537	1.00	37.05
11981	NZ	LYS		734	-41.851	7.565	59.261	1.00	36.85
11982	С	LYS		734	-44.657	11.880	63.568	1.00	32.09
11983	0	LYS		734	-44.669	12.949	62.951	1.00	31.80
11984	N	GLN		735	-45.731	11.405	64.182	1.00	32.99
11985	CA	GLN		735	-47.008	12.096	64.082	1.00	34.22
11986	CB	GLN		735	-48.157	11.198	64.554	1.00	34.31
11987	CG	GLN		735	-48.815	11.597	65.853	1.00	37.67
11988	CD	GLN		735	-49.816	12.716	65.650	1.00	42.32
11989	OE1	GLN		735	-50.280	12.941	64.531	1.00	45.22
11990	NE2	GLN		735	-50.142	13.428	66.720	1.00	43.62
11991	C	GLN		735	-46.972	13.435	64.809	1.00	34.36
11992	0	GLN		735	-47.587	14.399	64.353	1.00	34.67
11993	N	CYS		736	-46.249	13.518	65.923	1.00	34.24
11994	CA	CYS	В	736	-46.107	14.813	66.584	1.00	35.23
11995	CB	CYS		736	-45.595	14.666	68.020	1.00	35.10
11996	SG	CYS		736	-44.743	16.115	68.740	1.00	38.88
11997	С	CYS		736	-45.234	15.789	65.772	1.00	34.41
11998	0	CYS		736	-45.438	16.984	65.840	1.00	34.31
11999	N		В	737	-44.294	15.273	64.983	1.00	34.75
12000	CA	PHE	В	737	-43.450	16.131	64.139	1.00	34.40
12001	CB	PHE	В	737	-42.009	15.601	64.095	1.00	33.38
12002	CG	PHE	В	737	-41.208	15.857	65.349	1.00	30.63
12003	CD1	PHE		737	-41.683	16.682	66.341	1.00	28.24
12004	CE1	PHE	В	737	-40.943	16.919	67.481	1.00	
12005	CZ	PHE	В	737	-39.713	16.328	67.645	1.00	
12006	CE2	PHE	В	737	-39.217	15.496	66.664	1.00	26.36
12007	CD2		В	737	-39.968	15.263	65.520	1.00	
12008	C	PHE		737	-43.978	16.240	62.696	1.00	35.34
12009	0		В	737	-43.315	16.777	61.816	1.00	35.69
12010	N	SER		738	-45.170	15.721	62.442	1.00	36.90
12011	CA	SER		738	-45.736	15.701	61.090	1.00	38.41
12012	CB	SER		738	-46.161	17.102	60.619	1.00	38.34
12013	OG	SER		738	-46.998	17.693	61.588	1.00	37.87
12014	С	SER		738	-44.820	15.049	60.060	1.00	39.26
12015	0	SER		738	-44.673	15.545	58.945	1.00	39.61
12016	N	LEU		739	-44.204	13.941	60.442	1.00	40.66
12017	CA	LEU		739	-43.374	13.172	59.531	1.00	41.94
12018	CB	LEU	В	739	-42.096	12.730	60.227	1.00	41.77
12019	CG	LEU		739	-41.228	13.891	60.718	1.00	41.94
12020	CD1	LEU		739	-39.947	13.388	61.369	1.00	40.29
12021	CD2	LEU		739	-40.923	14.844	59.564	1.00	41.86
12022	С	LEU		739	-44.197	11.967	59.085	1.00	43.28
12023	0	LEU		739	-44.712	11.203	59.920	1.00	44.06
12024	N	PRO		740	-44.325	11.801	57.772	1.00	43.94
12025	CA	PRO		740	-45.178	10.760	57.190	1.00	44.31
12026	CB	PRO	В	740	-45.276	11.180	55.711	1.00	44.53

FIGURE 3 IB

A	В	C D	E	F	G	H	I	J
12027	00	DDO D	740	-44.718	12.605	55.676	1 00	44.79
12027	CG	PRO B	740	-43.652	12.609	56.739	1.00	44.27
12028	CD	PRO B	740	-44.593	9.358	57.300	1.00	44.50
12029	0	PRO B	740	-43.439	9.146	56.939	1.00	44.74
12030	07	NAG B	971	-1.496	-23.139	73.513	1.00	72.40
12031	C7	NAG B	971		-23.139	73.313	1.00	72.39
12032	C8	NAG B	971	-2.801		73.509	1.00	72.68
12033	N2	NAG B	971		-21.131	72.970	1.00	71.31
12034	C2	NAG B	971		-21.173	72.727	1.00	71.53
12035	C1	NAG B	971	1.680	-20.515	72.241	1.00	69.94
12030	C3	NAG B	971		-20.313	73.992	1.00	72.07
12037	03	NAG B	971		-23.540	74.358	1.00	72.11
12039	C4	NAG B	971	2.888	-22.628	73.783	1.00	72.70
12039	04	NAG B	971		-23.019	75.052	1.00	74.28
12040	C5	NAG B	971	3.672	-21.451	73.212	1.00	72.39
12042	05		971		-20.925	72.042	1.00	71.59
12043	C6		971	5.082	-21.916	72.857	1.00	73.22
12043	06	NAG B		5.405	-21.573	71.499	1.00	73.48
12045	07	NAG B		-28.592	-31.215	89.895	1.00	69.71
12046	C7	NAG B		-28.880	-31.667	90.994	1.00	68.34
12047	C8	NAG B		-27.985	-31.492	92.185	1.00	69.03
12048	N2	NAG B			-32.286	91.257	1.00	66.17
12049	C2	NAG B		-31.055	-32.550	90.263	1.00	65.21
12050	C1	NAG B			-31.261	89.569	1.00	62.67
12051	C3	NAG B		-30.675	-33.599	89.210	1.00	65.79
12052	03	NAG B		-30.191		89.756	1.00	65.25
12053	C4	NAG B			-33.851	88.395	1.00	66.12
12054	04	NAG B			-34.873	87.412	1.00	67.57
12055	C5	NAG B			-32.545	87.742	1.00	65.66
12056	05	NAG B		-32.641	-31.542	88.736	1.00	65.08
12057	C6	NAG B			-32.766	86.925	1.00	65.94
12058	06	NAG B			-32.262	87.628	1.00	65.92
12059	07	NAG B		-0.221		100.763	1.00	65.86
12060	C7	NAG B	2311	-1.001	-19.645	100.882	1.00	65.25
12061	C8	NAG B	2311	-1.035	-20.782	99.900	1.00	64.98
12062	N2	NAG B	2311	-1.828	-19.772	101.926	1.00	63.88
12063	C2	NAG B	2311	-1.895	-18.773	102.980	1.00	62.57
12064	C1	NAG B	2311	-3.171	-17.935	102.898	1.00	59.08
12065	C3	NAG B	2311	-1.797	-19.460	104.340	1.00	62.63
12066	03	NAG B	2311	-0.532	-20.133	104.439	1.00	63.27
12067	C4	NAG B	2311	-1.973	-18.451	105.477	1.00	62.24
12068	04	NAG B	2311	-2.095	-19.163	106.722	1.00	62.14
12069	C5	NAG B	2311	-3.204	-17.560	105.246	1.00	61.89
12070	05	NAG B	2311	-3.193	-16.957	103.943	1.00	60.57
12071	C6	NAG B	2311		-16.457	106.294	1.00	62.05
12072	06	NAG B			-15.410	105.960	1.00	62.89
12073	07	NAG B			-12.163	112.789	1.00	53.05
12074	C7	NAG B			-13.042	112.519	1.00	53.48
12075	C8	NAG B			-14.432	112.162	1.00	53.33
12076	N2	NAG B		-33.271	-12.817	112.600	1.00	53.74
12077	C2	NAG B	2411	-33.726	-11.504	112.997	1.00	55.17

FIGURE 3 IC

A	В	C	D	E	F	G	H	I	J
12078	C1	NAG			-34.243				52.90
12079	C3	NAG				-11.730			57.59
12080	03	NAG			-34.303		115.133	1.00	
12081	C4	NAG			-35.323		114.540		59.18
12082	04	NAG				-10.680	115.399	1.00	65.63
12083	C5	NAG			-35.736	-9.513	113.375	1.00	57.72
12084	05	NAG			-34.649	-9.370		1.00	54.84
12085	C6	NAG			-36.157	-8.144		1.00	57.33
12086	06	NAG			-36.390	-7.301	112.749	1.00	
12087	07	NAG			-39.628	-7.940		1.00	
12088	C7	NAG			-39.201	-8.987	115.428	1.00	
12089	C8	NAG				-10.325	114.904	1.00	
12090	N2	NAG			-38.250	-9.010	116.361		81.55
12091	C2	NAG			-37.736		116.879	1.00	
12092	C1	NAG				-10.326		1.00	77.61
12093	C3	NAG				-10.408			81.59
12094	03	NAG				-10.458		1.00	
12095	C4	NAG				-11.666		1.00	
12096	04	NAG				-11.805	120.313	1.00	
12097	C5	NAG	B2	412		-11.573		1.00	80.50
12098	05	NAG				-11.506			80.11
12099	C6	NAG				-12.783		1.00	80.52
12100	06	NAG				-13.973			79.91
12101	07	NAG				-30.051		1.00	75.19
12102	C7	NAG	B2	931		-30.370		1.00	74.43
12103	C8	NAG	B2	931		-31.529		1.00	75.00
12104	N2	NAG	B2	931		-29.735		1.00	72.23
12105	C2	NAG	B2	931		-28.629		1.00	70.22
12106	C1	NAG	B2	931		-27.339		1.00	66.92
12107	C3	NAG	B2	931	-27.493	-29.073	113.627	1.00	69.93
12108	03	NAG			-27.724		114.460	1.00	70.63
12109	C4	NAG			-28.425		114.027	1.00	
12110	04	NAG				-28.385	113.890	1.00	70.12
12111	C5	NAG	B2	931		-26.758		1.00	68.85
12112	05	NAG				-26.347		1.00	
12113	C6	NAG	B2	931	-29.024		113.510	1.00	68.50
12114	06	NAG	B2	931	-28.254		114.253	1.00	67.60
12115	07	NAG			-23.192	17.701	106.780	1.00	62.25
12116	C7	NAG	В3	331	-23.032	16.659	107.397	1.00	61.75
12117	C8	NAG	В3	331	-21.667	16.169	107.783	1.00	62.11
12118	N2	NAG	вз	331	-24.062	15.939	107.838	1.00	60.45
12119	C2	NAG	вз	331	-25.414	16.360	107.514	1.00	59.68
12120	C1	NAG	вз	331	-26.201	15.190	106.947	1.00	55.92
12121	C3	NAG			-26.163	16.929		1.00	
12122	03	NAG	вз	331	-25.494	18.113	109.169	1.00	60.01
12123	C4	NAG	вз	331	-27.609	17.272	108.333	1.00	60.83
12124	04	NAG			-28.395	17.557	109.504	1.00	61.83
12125	C5	NAG			-28.283	16.161	107.520	1.00	60.34
12126	05	NAG			-27.431	15.710	106.467	1.00	58.70
12127	C6	NAG			-29.573	16.667	106.876		61.21
12128	06	NAG	вз	331	-30.483	15.574	106.667	1.00	63.30

FIGURE 3 ID

A	В	С	D	E	F		G	H	1	J
12129	N	ARG		14	-56.59			55.235		59.31
12130	CA	ARG		14	-57.33			54.673		59.15
12131	CB	ARG		14	-57.82		.576	55.819		59.77
12132	CG	ARG		14	-58.37		.947	55.414		61.80
12133	CD	ARG		14	-57.91		.079	56.340		65.74
12134	NE	ARG		14	-58.99			56.706		68.29
12135	CZ	ARG		14	-59.06			57.878		70.05
12136	NH1	ARG		14	-58.11		.443	58.789		71.17
12137	NH2	ARG		14	-60.07		.455	58.145		70.83
12138	С	ARG		14	-58.48			53.774		58.04
12139	0	ARG		14	-59.53		.887	53.706		58.12
12140	N	LYS		15	-58.30		.117	53.069		56.51
12141	CA	LYS		15	-59.36		.601	52.209		54.97
12142	CB	LYS		15	-59.46			52.267		55.35
12143	CG	LYS		15	-58.14		.308	52.404		56.79
12144	CD	LYS		15	-58.36			52.183		59.18
12145	CE	LYS		15	-57.19		.957	52.677		60.92
12146	NZ	LYS		15	-57.34			54.106		61.81
12147	С	LYS		15	-59.26			50.766		53.63
12148	0	LYS		15	-58.21			50.292	1.00	53.86
12149	N	THR		16	-60.39		.003	50.067		51.93
12150	CA	THR		16	-60.42			48.663		50.01
12151	CB	THR		16	-61.49			48.422	1.00	50.09
12152	OG1	THR		16	-62.74			48.938		50.53
12153	CG2	THR		16	-61.19			49.260		49.69
12154	С	THR		16	-60.76			47.877		48.35
12155	0	THR		16	-61.00			48.455		48.10
12156	N	TYR		17	-60.77			46.559		46.31
12157	CA	TYR		17	-61.13			45.694		44.36
12158	CB	TYR		17	-60.45			44.340		44.44
12159	CG	TYR		17	-60.67		.211	43.357		43.09
12160	CD1	TYR		17	-59.93			43.432	1.00	43.17
12161	CE1	TYR		17	-60.13			42.537		42.32
12162	CZ	TYR		17	-61.07			41.547		42.01
12163	OH	TYR		17	-61.27		.122	40.655		40.75
12164	CE2	TYR		17	-61.82			41.446		42.15
12165	CD2	TYR		17	-61.61			42.349		41.90
12166	С	TYR		17	-62.65			45.568		43.53
12167	0	TYR		17	-63.20		.089	44.922	1.00	43.35
12168	N	THR		18	-63.34		.258	46.196		42.57
12169	CA	THR		18	-64.81		.259	46.211	1.00	41.95
12170	CB	THR		18	-65.32		.527	47.451	1.00	41.87
12171	0G1	THR		18	-65.05		.127	47.308		42.07
12172	CG2	THR		18	-64.53		.949	48.699		42.05
12173	C	THR		18	-65.50		.628	45.010		41.61
12174	0	THR		18	-64.87		.041	44.132	1.00	41.43
12175	N	LEU		19	-66.82		.748	45.011	1.00	41.36
12176	CA	LEU		19	-67.65			43.993		41.21
12177	CB	LEU		19	-69.10		.630	44.091	1.00	40.58
12178	CG	LEU		19	-70.04			43.083		40.27
12179	CD1	LEU	C.	19	-69.56	1 -13	.169	41.653	1.00	37.72

FIGURE 3 IE

	8.11
	1.21
	1.21
	1.41
	1.76
	1.53
	2.25
	1.82
	2.26
	2.44
	2.41
	2.96
	3.01
	3.39
	4.65
	3.27
	3.05
	3.10
	3.50
	3.70
	3.69
	3.01
	3.15
	3.76
	3.72
	3.80
12206 CE2 TYR C 22 -67.071 -10.910 37.732 1.00 42	2.34
	2.14
	4.08
12209 O TYR C 22 -65.041 -8.045 40.122 1.00 4	4.19
12210 N LEU C 23 -66.305 -8.557 41.896 1.00 4	4.48
	5.38
12212 CB LEU C 23 -68.628 -7.829 42.189 1.00 4	4.86
12213 CG LEU C 23 -69.390 -9.010 41.584 1.00 4	4.42
12214 CD1 LEU C 23 -70.828 -9.061 42.101 1.00 42	2.61
12215 CD2 LEU C 23 -69.361 -8.937 40.062 1.00 42	2.28
12216 C LEU C 23 -66.780 -6.148 41.974 1.00 46	6.45
12217 O LEU C 23 -67.070 -5.157 41.313 1.00 46	6.55
12218 N LYS C 24 -66.035 -6.097 43.069 1.00 4'	7.86
12219 CA LYS C 24 -65.533 -4.843 43.608 1.00 49	9.31
12220 CB LYS C 24 -65.686 -4.828 45.131 1.00 49	9.40
12221 CG LYS C 24 -67.133 -4.939 45.604 1.00 50	0.38
12222 CD LYS C 24 -68.020 -3.875 44.940 1.00 50	0.86
12223 CE LYS C 24 -69.486 -4.085 45.310 1.00 5	1.18
	0.26
	0.34
	0.81
	1.21
	2.48
	2.83
12230 CG ASN C 25 -62.701 -4.385 39.871 1.00 54	

FIGURE 3 IF

A	В	С	D	E	F	G	H	1	J
12231		ASN		25	-62.588	-5.444	39.257	1.00	56.23
12232	ND2	ASN		25	-63.436	-3.374	39.425	1.00	55.37
12233	С	ASN		25	-61.105	-5.318	43.256	1.00	53.03
12234	0	ASN		25	-60.083	-4.651	43.141	1.00	52.96
12235	N	THR		26	-61.402	-5.988	44.363	1.00	53.73
12236	CA	THR		26	-60.494	-6.011	45.494	1.00	54.61
12237	CB	THR		26	-60.865	-7.157	46.438	1.00	54.70
12238	OG1	THR		26	-62.056	-6.812	47.158	1.00	55.46
12239	CG2	THR		26	-59.817	-7.314	47.540	1.00	54.55
12240	С	THR		26	-59.048	-6.165	45.017	1.00	55.09
12241	0	THR		26	-58.162	-5.427	45.447	1.00	55.02
12242	N	TYR		27	-58.821	-7.111	44.111	1.00	55.59
12243	CA	TYR		27	-57.484	-7.356	43.584	1.00	56.25
12244	CB	TYR		27	-57.151	-8.849	43.652	1.00	55.96
12245	CG	TYR		27	-57.406	-9.426	45.028	1.00	54.73
12246	CD1	TYR		27	-56.587	-9.101	46.105	1.00	54.43
12247	CE1	TYR		27	-56.827	-9.618	47.369	1.00	52.54
12248	CZ	TYR		27	-57.900	-10.451	47.561	1.00	52.34
12249	OH	TYR		27	-58.160	-10.972	48.805	1.00	53.22
12250	CE2	TYR		27	-58.731	-10.774	46.513	1.00	52.33
12251	CD2	TYR		27	-58.481	-10.261	45.260	1.00	53.00
12252	С	TYR		27	-57.304	-6.783	42.180	1.00	56.99
12253	0	TYR		27	-57.593	-7.432	41.185	1.00	56.86
12254	N	ARG	С	28	-56.798	-5.555	42.134	1.00	58.45
12255	CA	ARG	С	28	-56.603	-4.798	40.899	1.00	59.78
12256	CB	ARG	С	28	-56.602	-3.298	41.215	1.00	60.24
12257	CG	ARG	С	28	-57.785	-2.515	40.686	1.00	62.82
12258	CD	ARG	С	28	-57.932	-1.118	41.292	1.00	66.38
12259	NE	ARG	С	28	-58.666	-1.151	42.558	1.00	69.47
12260	CZ	ARG	С	28	-59.184	-0.082	43.160	1.00	70.68
12261	NH1	ARG	С	28	-59.050	1.125	42.615	1.00	70.81
12262	NH2	ARG	C	28	-59.839	-0.220	44.310	1.00	70.59
12263	C	ARG	С	28	-55.302	-5.109	40.191	1.00	60.06
12264	0	ARG	C	28	-54.233	-5.064	40.791	1.00	59.89
12265	N	LEU	C	29	-55.395	-5.399	38.900	1.00	60.70
12266	CA	LEU	С	29	-54.210	-5.618	38.097	1.00	61.41
12267	CB	LEU	С	29	-54.540	-6.421	36.844	1.00	61.17
12268	CG	LEU	С	29	-54.629	-7.932	37.038	1.00	61.39
12269	CD1	LEU	С	29	-55.261	-8.591	35.823	1.00	61.58
12270	CD2	LEU	С	29	-53.252	-8.499	37.298	1.00	61.27
12271	С	LEU	С	29	-53.699	-4.250	37.699	1.00	62.14
12272	0	LEU	С	29	-54.407	-3.481	37.048	1.00	62.24
12273	N	LYS	С	30	-52.484	-3.927	38.121	1.00	62.82
12274	CA	LYS	С	30	-51.889	-2.660	37.741	1.00	63.41
12275	CB	LYS	С	30	-50.628	-2.383	38.567	1.00	63.28
12276	CG	LYS	С	30	-50.533	-0.964	39.122	1.00	64.04
12277	CD	LYS	С	30	-50.132	-0.957	40.598	1.00	64.72
12278	CE	LYS	С	30	-50.252	0.440	41.214	1.00	65.38
12279	NZ	LYS	С	30	-51.623	1.024	41.080	1.00	65.09
12280	С	LYS	С	30	-51.552	-2.737	36.260	1.00	63.67
12281	0	LYS	С	30	-51.233	-3.805	35.745	1.00	63.57

FIGURE 3 IG

A	В	С	D	E	F	G	H	1	J
12282	N	LEU		31	-51.653	-1.608	35.575	1.00	64.38
12283	CA	LEU		31	-51.292	-1.534	34.167	1.00	65.35
12284	CB	LEU		31	-52.499	-1.151	33.299	1.00	65.22
12285	CG	LEU		31	-53.869	-1.831	33.385	1.00	65.26
12286	CD1	LEU		31	-54.681	-1.328	34.576	1.00	64.95
12287	CD2	LEU		31	-54.628	-1.569	32.102	1.00	65.03
12288	С	LEU		31	-50.235	-0.441	34.024	1.00	66.02
12289	0	LEU		31	-50.043	0.369	34.935	1.00	66.11
12290	N	TYR		32	-49.543	-0.422	32.893	1.00	66.68
12291	CA	TYR		32	-48.619	0.667	32.621	1.00	67.59
12292	CB	TYR		32	-47.159	0.282	32.874	1.00	67.51
12293	CG	TYR		32	-46.281	1.495	33.113	1.00	67.22
12294	CD1	TYR		32	-45.767	2.223	32.053	1.00	67.11
12295	CE1	TYR	C	32	-44.976	3.336	32.269	1.00	68.00
12296	CZ	TYR	C	32	-44.703	3.737	33.559	1.00	67.92
12297	OH	TYR	С	32	-43.919	4.845	33.780	1.00	68.81
12298	CE2	TYR	С	32	-45.207	3.032	34.629	1.00	67.41
12299	CD2	TYR	С	32	-45.994	1.924	34.402	1.00	66.89
12300	C	TYR	С	32	-48.819	1.121	31.192	1.00	68.31
12301	0	TYR	С	32	-48.103	0.705	30.285	1.00	68.18
12302	N	SER	С	33	-49.818	1.972	31.000	1.00	69.60
12303	CA	SER	С	33	-50.153	2.457	29.672	1.00	70.73
12304	CB	SER	С	33	-51.666	2.619	29.515	1.00	70.72
12305	OG	SER	С	33	-52.008	2.979	28.181	1.00	71.44
12306	C	SER	С	33	-49.459	3.773	29.395	1.00	71.43
12307	0	SER	С	33	-49.712	4.778	30.059	1.00	71.71
12308	N	LEU	С	34	-48.567	3.754	28.416	1.00	72.35
12309	CA	LEU	С	34	-47.866	4.956	28.015	1.00	73.17
12310	CB	LEU	С	34	-46.359	4.733	28.064	1.00	72.95
12311	CG	LEU	С	34	-45.856	3.406	27.505	1.00	72.50
12312	CD1	LEU	С	34	-45.844	3.422	25.989	1.00	71.40
12313	CD2	LEU	С	34	-44.472	3.128	28.047	1.00	72.03
12314	C	LEU	С	34	-48.300	5.318	26.609	1.00	73.94
12315	0	LEU	С	34	-48.922	4.514	25.917	1.00	73.98
12316	N	ARG	С	35	-47.988	6.538	26.201	1.00	74.87
12317	CA	ARG	С	35	-48.303	6.988	24.857	1.00	75.88
12318	CB	ARG	С	35	-49.614	7.789	24.823	1.00	75.99
12319	CG	ARG	С	35	-49.811	8.762	25.979	1.00	76.62
12320	CD	ARG	С	35	-51.037	9.673	25.839	1.00	77.67
12321	NE	ARG	С	35	-52.302	8.939	25.882	1.00	78.08
12322	CZ	ARG	С	35	-53.497	9.504	25.748	1.00	78.24
12323	NH1	ARG	С	35	-53.598	10.815	25.566	1.00	77.92
12324	NH2	ARG	С	35	-54.596	8.761	25.799	1.00	77.84
12325	С	ARG	С	35	-47.124	7.798	24.336	1.00	76.42
12326	0	ARG	С	35	-46.803	8.861	24.866	1.00	76.47
12327	N	TRP		36	-46.470	7.269	23.307	1.00	77.18
12328	CA	TRP		36	-45.283	7.894	22.741	1.00	77.77
12329	CB	TRP	С	36	-44.548	6.913	21.828	1.00	77.64
12330	CG	TRP	С	36	-44.025	5.709	22.539	1.00	78.06
12331	CD1	TRP	С	36	-44.588	4.466	22.571	1.00	78.41
12332	NE1	TRP	С	36	-43.813	3.612	23.318		78.31

FIGURE 3 IH

12333 CE2 TRP C 36	A	В	С	D	E	F	G	H	I	J
12334 CD2 TRP C 36	12333	CE2	TRP	С	36	-42.728	4.299	23.794	1.00	78.48
12335 CE3 TRP C 36										
12336 C23 TRP C 36										
12337 CH2 TRP C 36										
12338 C22 TRP C 36										
12339 C										
12340 Q										
12341 N										
12342 CA ILE C 37										
12343 CB ILE C 37										
12344 CG1 LIE C 37										
12345 CD1 ILE C 37										
12346 CG2 ILE C 37										
12347 C										
12348 O										
12349 N SER C 38										
12350 CA SER C 38										
12351 CB SER C 38										
12352										
12353 C										
12355 Q SER C 38										
12355 N										
12356 CA										
12357 CB ASP C 39										
12358 CG ASP C 39 -38.666 7.041 18.233 1.00 82.10 12359 ODI ASP C 39 -38.763 6.626 19.132 1.00 82.10 12361 C ASP C 39 -37.322 6.265 19.132 1.00 81.97 12362 O ASP C 39 -37.227 7.639 21.179 1.00 82.36 12363 N HIS C 40 -37.577 9.283 21.179 1.00 82.93 12365 C HIS C 40 -36.573 10.40 23.285 1.00 83.80 12366 C HIS C 40 -36.573 10.40 23.285 1.00 84.78 12366 C HIS C 40 -36.573 10.40 23.285 1.00 84.78 12369 NE2 HIS C 40 -36.574 12.0										
12359 ODJ ASP C 39										
12360 ODZ ASP C 39										
12361 C										
12362 O ASP C 39 -37.227 7.639 21.179 1.00 82.27 12363 N HIS C 40 -38.419 9.259 22.167 1.00 82.93 12364 CA HIS C 40 -36.573 9.283 23.356 1.00 83.59 12365 CB HIS C 40 -36.573 10.40 23.285 1.00 83.80 12366 CB HIS C 40 -36.336 10.960 21.900 1.00 84.78 12367 ND1 HIS C 40 -36.574 12.030 20.170 1.00 84.78 12368 CB HIS C 40 -36.574 12.030 20.170 1.00 85.24 12369 NE2 HIS C 40 -36.574 12.030 20.170 1.00 85.24 12370 CD2 HIS C 40 -35.695 11.373 19.841 1.00 85.24 12370 CD2 HIS C 40 -35.695 11.373 19.841 1.00 85.24 12370 CD2 HIS C 40 -38.439 9.467 24.593 1.00 83.84 12372 C HIS C 40 -38.439 9.467 24.593 1.00 83.84 12372 C HIS C 40 -38.143 8.944 25.667 1.00 84.75 12373 N GLU C 41 -39.507 10.234 24.437 1.00 84.15 12375 CB GLU C 41 -40.387 10.515 25.551 1.00 84.28 12375 CB GLU C 41 -40.387 10.515 25.551 1.00 84.28 12375 CB GLU C 41 -39.215 12.726 25.743 1.00 84.90 12377 CD GLU C 41 -39.215 12.726 25.743 1.00 84.90 12377 CD GLU C 41 -39.215 12.726 25.843 1.00 84.90 12378 OE2 GLU C 41 -39.215 12.726 25.843 1.00 84.90 12379 OE2 GLU C 41 -39.163 14.651 24.672 1.00 85.40 12380 C GLU C 41 -39.163 14.651 24.672 1.00 85.40 12380 C GLU C 41 -41.754 9.892 25.337 1.00 84.47 12381 O GLU C 41 -41.754 9.892 25.337 1.00 84.46 12382 N TYR C 42 -42.421 9.586 26.441 1.00 84.66										
12363 N HIS C 40										
12366 CB HIS C 40 -36.575 10.404 23.285 1.00 83.59 12365 CB HIS C 40 -36.575 10.404 23.285 1.00 83.49 12366 CG HIS C 40 -36.336 10.960 21.900 1.00 84.44 12367 NDI HIS C 40 -36.976 12.078 21.409 1.00 84.78 12368 CEI HIS C 40 -36.574 12.303 20.170 1.00 85.24 12370 CD2 HIS C 40 -35.695 11.373 19.841 1.00 85.24 12371 C HIS C 40 -35.526 10.522 20.906 1.00 84.75 12371 C HIS C 40 -38.143 8.944 25.667 1.00 84.75 12373 N GLU C 41 -39.507 10.234 24.437 1.00 84.15 12373 N GLU C 41 -40.387 10.515 25.551 1.00 84.28 12375 CB GLU C 41 -40.523 12.026 25.743 1.00 84.28 12376 CG GLU C 41 -39.215 12.726 25.743 1.00 84.40 12377 CD GLU C 41 -39.215 12.726 25.843 1.00 84.60 12380 C GLU C 41 -39.403 14.651 24.672 1.00 85.40 12381 O GLU C 41 -41.754 9.892 25.337 1.00 84.46 12382 N TYR C 42 -42.182 9.674 24.203 1.00 84.46 12382 N TYR C 42 -42.182 9.674 24.203 1.00 84.46 12382 N TYR C 42 -42.212 9.566 26.441 1.00 84.46 12382 N TYR C 42 -42.212 9.566 26.441 1.00 84.46 12382 N TYR C 42 -42.212 9.566 26.441 1.00 84.46 12382 N TYR C 42 -42.212 9.566 26.441 1.00 84.46 12382 N TYR C 42 -42.212 9.566 26.441 1.00 84.46 12382 N TYR C 42 -42.212 9.566 26.441 1.00 84.46 12382 N TYR C 42 -42.212 9.566 26.441 1.00 84.46 12382 N TYR C 42 -42.212 9.566 26.441 1.00 84.46 12382 N TYR C 42 -42.212 9.566 26.441 1.00 84.46										
12365 CB HIS C 40										
12366 CG HIS C 40 -36.336 10.960 21.900 1.00 84.44 12367 NDI HIS C 40 -36.976 12.078 21.409 1.00 84.78 12368 CEI HIS C 40 -36.574 12.303 20.170 1.00 84.78 12370 DE HIS C 40 -35.595 11.373 19.841 1.00 85.24 12371 C HIS C 40 -35.595 10.522 20.906 1.00 84.75 12372 C HIS C 40 -38.439 9.467 24.593 1.00 83.84 12373 N GLU C 41 -39.507 10.234 24.437 1.00 84.11 12374 CA BLU C 41 -40.387 10.515 25.551 1.00 84.28 12375 CB GLU C 41 -39.215 12.726 25.7										
12367 ND1 HIS C										
12368 CEI HIS C 40 -36.574 12.303 20.170 1.00 85.23 12369 NE2 HIS C 40 -35.695 11.373 19.841 1.00 85.24 12371 C HIS C 40 -35.526 10.522 20.906 1.00 84.75 12371 C HIS C 40 -38.439 9.467 24.593 1.00 83.84 12373 N GUU C 41 -39.507 10.234 24.437 1.00 84.11 12374 CB GUU C 41 -40.523 12.026 25.743 1.00 84.28 12375 CB GLU C 41 -40.523 12.026 25.743 1.00 84.28 12375 CB GLU C 41 -39.215 12.726 25.742 1.00 84.28 12377 OEJ GUU C 41 -39.215 12.726 25.731 1.00 84.58 12379 OEZ GUU C 41 -39.163 14.651 24.672 1.00 84.6<										
12369 NE2 HIS C 40 -35.695 11.373 19.841 1.00 85.24 12370 CD HIS C 40 -35.526 10.522 20.906 1.00 84.75 12371 C HIS C 40 -38.439 9.467 24.593 1.00 83.84 12372 O HIS C 40 -38.143 8.944 25.667 1.00 83.91 12373 N GLU C 41 -39.507 10.234 24.437 1.00 84.12 12375 CB GLU C 41 -40.387 10.515 25.551 1.00 84.28 12375 CB GLU C 41 -40.233 12.026 25.743 1.00 84.28 12376 CG GLU C 41 -39.215 12.726 26.072 1.00 84.40 12377 OD GLU C 41 -39.163 14.651 24.672 1.00 85.40 12380 CB GLU C 41 -39.163 14.651 24.672 1.00 85.40 12380 CB GLU C 41 -41.754 9.892 25.337 1.00 84.46 12381 O GLU C 41 -41.754 9.892 25.337 1.00 84.46 12382 N TYR C 42 -42.182 9.674 24.203 1.00 84.46										
12370 CD2 H1S C 40 -35.526 10.522 20.906 1.00 84.75 12371 C H1S C 40 -38.439 9.467 24.593 1.00 83.84 12373 N GLU C 41 -39.507 10.234 24.437 1.00 84.11 12375 CB GLU C 41 -40.523 12.026 25.743 1.00 84.27 12376 CB GLU C 41 -39.215 12.726 25.743 1.00 84.27 12377 CD GLU C 41 -39.215 12.726 25.743 1.00 84.96 12379 OE GLU C 41 -39.215 12.726 25.743 1.00 84.97 12379 OE GLU C 41 -39.163 14.651 24.672 1.00 84.96 12380 C GLU C 41 -39										
12371 C										
12372 O HIS C 40 -38.143 8.944 25.667 1.00 83.91 12373 N GUU C 41 -39.507 10.234 24.437 1.00 84.11 12374 CA GLU C 41 -40.821 10.515 25.551 1.00 84.27 12375 CB GLU C 41 -39.215 12.726 26.702 1.00 84.27 12376 CB GLU C 41 -39.278 14.225 25.843 1.00 84.90 12379 OE GLU C 41 -39.163 14.651 24.672 1.00 85.40 12380 C GUC 41 -39.144 14.977 26.303 1.00 84.47 12381 O GLU C 41 -41.754 9.892 25.337 1.00 84.47 12381 O GLU C 41 -42.182 9.674 24.203 1.00 84.46										
12373 N GLU C 41 -39.507 10.234 24.37 1.00 84.11 12375 CB GLU C 41 -40.387 10.515 25.551 1.00 84.28 12375 CB GLU C 41 -40.523 12.026 25.743 1.00 84.27 12376 CG GLU C 41 -39.215 12.726 26.072 1.00 84.40 12378 OE1 GLU C 41 -39.216 12.726 25.942 1.00 84.40 12379 OE2 GLU C 41 -39.163 14.651 24.672 1.00 85.40 12380 C GLU C 41 -39.163 14.651 24.672 1.00 84.67 12381 O GLU C 41 -41.754 9.892 25.337 1.00 84.67 12382 N TYR C 42 -42.										
12374 CA GLU C 41 -40.387 10.515 25.551 1.00 84.28 12375 CB GLU C 41 -40.523 12.206 25.743 1.00 84.27 12376 CB GLU C 41 -39.215 12.726 26.072 1.00 84.40 12377 CD GLU C 41 -39.163 14.651 24.672 1.00 84.40 12379 OE2 GLU C 41 -39.163 14.651 24.672 1.00 85.40 12380 O GLU C 41 -41.754 9.892 25.337 1.00 84.60 12380 O GLU C 41 -42.182 9.674 24.203 1.00 84.46 12382 N TYR C 42 -42.21 9.566 6.6.441 1.00 84.66		-								
12375 CB GLU C 41 -40.523 12.026 25.743 1.00 84.27 12376 CB GLU C 41 -39.215 12.726 26.072 1.00 84.40 12377 CD GLU C 41 -39.278 14.225 25.843 1.00 84.96 12379 OE2 GLU C 41 -39.163 14.651 24.672 1.00 85.40 12380 C GLU C 41 -41.754 9.892 25.337 1.00 84.47 12382 N TYR C 42.2182 9.674 24.203 1.00 84.46										
12376 CG GU 41 -39.215 12.726 26.072 1.00 84.40 12378 OEI GLU 41 -39.278 14.225 25.843 1.00 84.96 12378 OEI GLU 41 -39.163 14.651 24.672 1.00 85.40 12380 C GLU 41 -41.754 9.892 25.337 1.00 84.60 12381 O GLU 41 -42.182 9.674 24.203 1.00 84.46 12382 N TYR C 42 -42.182 9.674 24.203 1.00 84.46										
12377 CD GLU C 41 -39.278 14.225 25.843 1.00 84.96 12378 OE1 GLU C 41 -39.163 14.651 24.672 1.00 85.40 12380 OE2 GLU C 41 -39.440 14.977 26.830 1.00 84.60 12380 C GLU C 41 -41.754 9.892 25.337 1.00 84.47 12381 O GLU C 41 -42.182 9.674 24.203 1.00 84.46 12382 N TYR C 42 -42.421 9.586 26.441 1.00 84.60										
12378 OE1 GLU C 41 -39.163 14.651 24.672 1.00 85.40 12380 OE GLU C 41 -39.440 14.977 26.830 1.00 84.60 12380 O GLU C 41 -41.754 9.892 25.337 1.00 84.47 12381 O GLU C 41 -42.182 9.674 24.203 1.00 84.46 12382 N TYR C 42 -42.182 9.566 26.441 1.00 84.65										
12379 OE2 GLU C 41 -39.440 14.977 26.830 1.00 84.60 12380 C GLU C 41 -41.754 9.892 25.337 1.00 84.47 12381 O GLU C 41 -42.182 9.674 24.203 1.00 84.64 12382 N TYR C 42 -42.182 9.586 26.441 1.00 84.64										
12380 C GLU C 41 -41.754 9.892 25.337 1.00 84.47 12381 O GLU C 41 -42.182 9.674 24.203 1.00 84.46 12382 N TYR C 42 -42.421 9.586 26.441 1.00 84.64										
12381 O GLU C 41 -42.182 9.674 24.203 1.00 84.46 12382 N TYR C 42 -42.421 9.586 26.441 1.00 84.64										
12382 N TYR C 42 -42.421 9.586 26.441 1.00 84.64										
	12383	CA	TYR	С						

FIGURE 3 II

A	В	С	D	E	F	G	H	1	J
			_						
12384	CB	TYR		42	-43.796	7.532	26.438	1.00	84.80
12385	CG	TYR		42	-43.306	6.902	27.726	1.00	84.02
12386	CD1	TYR		42	-43.977	7.109	28.924	1.00	83.42
12387	CE1	TYR		42	-43.541	6.537	30.097	1.00	82.96
12388	CZ	TYR		42	-42.422	5.739	30.089	1.00	82.88
12389	OH	TYR		42	-41.993	5.170	31.265	1.00	82.70
12390	CE2	TYR		42	-41.736	5.510	28.913	1.00	83.03
12391	CD2	TYR		42	-42.182	6.089	27.740	1.00	83.23
12392	С	TYR		42	-44.494	9.660	27.605	1.00	85.34
12393	0	TYR		42	-43.858	10.056	28.579	1.00	85.32
12394	N	LEU		43	-45.816	9.741	27.532	1.00	85.95
12395	CA	LEU		43	-46.584	10.321	28.624	1.00	86.61
12396	CB	LEU		43	-47.702	11.209	28.080	1.00	86.53
12397	CG	LEU		43	-47.305	12.660	27.813	1.00	86.47
12398	CD1	LEU		43	-45.798	12.823	27.843	1.00	86.41
12399	CD2	LEU		43	-47.885	13.154	26.497	1.00	86.63
12400	С	LEU		43	-47.151	9.264	29.552	1.00	87.14
12401	0	LEU		43	-47.387	8.129	29.149	1.00	87.11
12402	N	TYR		44	-47.358	9.650	30.803	1.00	88.04
12403	CA	TYR		44	-47.915	8.759	31.808	1.00	88.99
12404	CB	TYR		44	-46.805	8.153	32.656	1.00	88.86
12405	CG	TYR		44	-47.257	7.016	33.533	1.00	88.89
12406	CD1	TYR		44	-47.742	5.840	32.979	1.00	88.78
12407	CE1	TYR		44	-48.155	4.793	33.778	1.00	88.68
12408	CZ	TYR		44	-48.083	4.914	35.148	1.00	88.89
12409	OH	TYR		44	-48.492	3.872	35.950	1.00	89.26
12410	CE2	TYR		44	-47.605	6.073	35.722	1.00	88.83
12411	CD2	TYR		44	-47.197	7.115	34.916	1.00	88.84
12412	С	TYR		44	-48.863	9.567	32.677	1.00	89.77
12413	0	TYR		44	-48.695	10.776	32.821	1.00	89.89
12414	N	LYS		45	-49.860	8.908	33.256	1.00	90.81
12415	CA	LYS		45	-50.869	9.620	34.036	1.00	91.87
12416	CB	LYS		45	-52.221	9.590	33.310	1.00	91.78
12417	CG	LYS		45	-52.164	9.914	31.814	1.00	92.08
12418	CD	LYS		45	-51.805	8.692	30.972	1.00	92.16
12419	CE	LYS		45	-52.201	8.877	29.519	1.00	92.01
12420	NZ	LYS		45	-52.202	7.591	28.766	1.00	92.72
12421	C	LYS		45	-51.032	9.060	35.447	1.00	92.57
12422	0	LYS		45	-51.927	8.253	35.694	1.00	92.69
12423	N	GLN		46	-50.186	9.511	36.372	1.00	93.38
12424	CA	GLN		46	-50.218	9.015	37.749	1.00	94.22
12425	CB	GLN		46	-48.913	9.366	38.475	1.00	94.24
12426	CG	GLN		46	-48.374	8.268	39.395	1.00	94.78
12427	CD	GLN		46	-49.139	8.143	40.705	1.00	95.16
12428	OE1	GLN		46	-50.366	8.068	40.710	1.00	95.31
12429	NE2	GLN		46	-48.411	8.107	41.816	1.00	95.41
12430	C	GLN		46	-51.418 -51.269	9.548	38.536	1.00	94.68
12431	0	GLN		46		10.449	39.363	1.00	94.77
12432	N CA	GLU		47 47	-52.593 -53.851	8.973 9.343	38.279 38.944	1.00	95.27
12433	CB	GLU		47	-53.851	9.343 8.441	40.156	1.00	95.80 95.88
12434	CB	GPO	C	4/	-34.120	8.441	40.106	1.00	90.88

FIGURE 3 IJ

A	В	С	D	Е		F	G	H	I	J
12435	CG	GLU	С	47	-55	.588	8.38	6 40.563	1.00	96.18
12436	CD	GLU		47		.795	8.51		1.00	96.41
12437	OE1	GLU		47		.740	9.65		1.00	96.51
12438	OE2	GLU	č	47		.020	7.48		1.00	96.50
12439	С	GLU		47		.914	10.80		1.00	96.06
12440	0	GLU		47		.466	11.13		1.00	96.06
12441	N	ASN		48		.350	11.68		1.00	96.45
12442	CA	ASN		48		.325	13.09		1.00	96.79
12443	CB	ASN		48		.344	13.36		1.00	96.76
12444	CG	ASN		48		.768	14.52		1.00	96.79
12445	OD1	ASN		48		.812	15.14		1.00	96.55
12446	ND2	ASN		48		.954	14.82		1.00	96.67
12447	С	ASN		48		.901	13.87		1.00	97.05
12448	ō	ASN		48		.737	14.33		1.00	97.18
12449	N	ASN		49		.593	13.96		1.00	97.25
12450	CA	ASN	Ċ	49	-51	.052	14.74		1.00	97.43
12451	CB	ASN		49		.086	15.79		1.00	97.48
12452	CG	ASN		49		.143	15.89		1.00	97.66
12453	OD1	ASN		49		.374	15.23		1.00	97.35
12454	ND2	ASN		49		.054	16.71		1.00	97.85
12455	С	ASN		49		.315	13.90		1.00	97.54
12456	ō	ASN		49		.948	12.75		1.00	97.56
12457	N		Ċ	50		.084	14.48		1.00	97.73
12458	CA	ILE	č	50		.359	13.80		1.00	97.89
12459	CB		Č	50		.779	14.35		1.00	97.92
12460	CG1	ILE	č	50		.246	14.02		1.00	98.05
12461	CD1		č	50		.904	14.95		1.00	98.30
12462	CG2	ILE	č	50		.889	13.79		1.00	97.72
12463	C	ILE	Ċ	50		.861	13.97		1.00	98.00
12464	ō	ILE		50		.334	15.08		1.00	97.98
12465	N	LEU		51		.180	12.86		1.00	98.19
12466	CA	LEU		51		.738	12.88		1.00	98.33
12467	CB	LEU		51		.289	11.77		1.00	98.39
12468	CG	LEU		51		.481	11.94		1.00	98.49
12469	CD1	LEU		51		.875	12.44		1.00	98.70
12470	CD2	LEU		51		.191	10.62		1.00	98.48
12471	С	LEU		51		.096	12.66		1.00	98.41
12472	ō	LEU		51		.553	11.83		1.00	98.34
12473	N	VAL		52		.050	13.42		1.00	98.58
12474	CA	VAL		52		.288	13.22		1.00	98.83
12475	CB	VAL		52		.650	14.52		1.00	98.82
12476	CG1	VAL		52		.491	14.95		1.00	98.92
12477	CG2	VAL		52		.191	14.36		1.00	98.68
12478	C	VAL		52		.216	12.21		1.00	98.95
12479	ō	VAL		52		.835	12.13		1.00	99.00
12480	N	PHE	Č	53		.748	11.41		1.00	99.11
12481	CA	PHE		53		.745	10.40		1.00	99.34
12482	CB	PHE	č	53		.399	9.03		1.00	99.28
12483	CG	PHE	Ċ	53		.855	8.73		1.00	99.21
12484	CD1	PHE	Ċ	53		.035	9.26		1.00	99.25
12485	CE1	PHE	Ċ	53		.460	8.97		1.00	99.14

FIGURE 3 IK

A	В	C	D	Е		F	G	Н	I	J
12486	CZ	PHE	С	53	-42	.713	8.138	34.714	1.00	99.13
12487	CE2	PHE	c	53		.542	7.595	34.232	1.00	99.16
12488	CD2	PHE	c	53		.121	7.888	32.949	1.00	99.08
12489	C	PHE	c	53		.698	10.292	29.472	1.00	99.62
12490	Ö	PHE	c	53		.028	10.241	28.289	1.00	99.62
12491	N	ASN		54		.433	10.242	29.875		99.97
12492	CA	ASN		54		.352	10.043	28.926		100.28
12493	CB	ASN	č	54		.065	10.704	29.423		100.27
12494	CG	ASN	č	54		.132	11.099	28.288		100.22
12495	OD1	ASN	č	54		.615	12.215	28.259		99.74
12496	ND2	ASN	c	54		.918	10.185	27.343		100.19
12497	C	ASN		54		.151	8.544	28.768		100.13
12498	0	ASN		54		.831	7.853	29.732		100.56
12499	N	ALA		55		.348	8.039	27.557		100.95
12500	CA	ALA		55		.216	6.607	27.311		101.44
12501	CB	ALA		55		.472	6.294	25.851		101.44
12501	С	ALA		55		.863	6.051	27.738		101.38
12502	Ö	ALA		55		.786	4.955	28.291		101.82
12503	N	GLU	c	56		.800	6.808	27.491		102.32
12504	CA	GLU		56		.451	6.341	27.793		102.32
12505	CB	GLU				.410	7.212	27.793		102.83
12507				56		.007	6.628	27.113		
12508	CG CD	GLU		56 56		.007	7.452	26.323		103.08
12509	OE1	GLU		56		.419	8.137	25.361		103.39
12510	OE2	GLU		56		.806	7.414	26.666		103.42
12511	C	GLU		56		.125	6.244	29.286		103.35
12511	Ö	GLU		56		.614	5.223	29.286		103.16
12512	N	TYR		57		.429	7.296	30.039		103.16
12513	CA	TYR		57		.060	7.339	31.452		103.60
12515	CB	TYR		57		.274	8.618	31.741		104.14
12516	CG	TYR		57		.538	9.154	30.534		104.20
12517	CD1	TYR		57		.284	8.670	30.334		104.73
12517	CE1	TYR		57		.612	9.157	29.086		105.03
12519	CZ	TYR		57		.198	10.136	28.309		105.58
12520	OH	TYR		57		.536	10.624	27.207		105.78
12521	CE2	TYR		57		.443	10.631	28.631		105.78
12522	CD2	TYR		57		.105	10.140	29.735		105.19
12523	C	TYR		57		.241	7.233	32.413		104.42
12524	Ö	TYR		57		.054	7.177	33.631		104.42
12525	N	GLY		58		.453	7.220	31.869		104.31
12526	CA	GLY	C			.646	7.090	32.684		105.14
12527	CA	GLY		58 58		.773	8.136	33.772		105.14
12528	0	GLY		58		.237	7.842	34.876		105.47
12529				59		.336	9.355	33.475		
12529	N C7	ASN	C	59		.499	10.451	34.417		105.72 105.99
12530	CA CB	ASN	C	59		.227	11.296			
12531		ASN		59		.740	11.296	34.550		106.00
12532	CG OD1	ASN	C	59		.088	11.844	33.222		106.06 106.14
12533	ND2	ASN	C	59		.088	13.111	32.450		106.14
12534	C	ASN	c	59		.689	11.279	32.955		105.82
12536		ASN		59		.896	11.489			106.13
12036	0	ASN	C	29	-37	. 690	11.489	32.769	1.00	100.13

FIGURE 3 IL

A	В	С	D	E		F		G	I	1	Ι		J
12537	N	SER	C	60	-38	.480	11.	741	34	.926	1.	0010	06.33
12538	CA	SER		60		.705		440		.587			06.60
12539	CB	SER		60		.912		583		988			06.65
12540	OG	SER		60		.861		233		362			06.66
12541	C	SER		60		.843		834		183			06.76
12542	0	SER		60		.986		306		.931			06.80
12543	N	SER		61		.947		478		.818			06.91
12544	CA	SER		61		.322		800		.296			07.07
12545	CB	SER		61		.470		890		.641			07.10
12545	OG	SER		61		7.470	17.			.260			07.07
						.787							
12547	C	SER		61				987		.932			07.16
12548	0	SER		61		3.277		379		.980			07.20
12549	N	VAL		62		.499	16.			.686			07.27
12550	CA	VAL	C	62		.905		029		.386			07.37
12551	CB	VAL		62		.621		788		.516			07.41
12552	CG1	VAL		62		.112		875		.229			07.33
12553	CG2	VAL		62		.372	17.			.853			07.53
12554	С	VAL		62		.059		773		.060			07.38
12555	0	VAL	С	62		.532	18.			.889			07.30
12556	N	PHE	С	63		.767	17.			.122			7.40
12557	CA	PHE	С	63		.012		738		.811			07.44
12558	CB	PHE	С	63		.185	16.			.769			07.53
12559	CG	PHE	С	63		.688		119		.446			07.98
12560	CD1	PHE	С	63		.046		259		.218			08.50
12561	CE1	PHE	С	63		.516	17.			.002			08.98
12562	CZ	PHE	С	63		.626	18.			.988			09.22
12563	CE2	PHE	С	63		.267		883		.200			09.05
12564	CD2	PHE	С	63		.804	17.			.425			08.65
12565	С	PHE	С	63		.257	18.			867			07.39
12566	0	PHE	С	63		.290		710		.313			07.31
12567	N	LEU	C	64		.283		104		.541			07.33
12568	CA	LEU		64		.533		826		.710			07.32
12569	CB	LEU	C	64		.454		603		.511			07.38
12570	CG	LEU	C	64		.803		325	31	.585	1.	0010	07.60
12571	CD1	LEU	C	64	-51	.705	20.	730	31	.002	1.	0010	07.80
12572	CD2	LEU	С	64		.876	18.	526	30	875	1.	0010	07.46
12573	C	LEU	С	64	-50	.220	18.	352	33	.983	1.	0010	07.27
12574	0	LEU	С	64	-50	.797	17.	265	34	.017	1.	0010	07.32
12575	N	GLU	С	65	-50	.149	19.	166	35	.029	1.	0010	07.21
12576	CA	GLU	С	65	-50	.766	18.	826	36	.306	1.	0010	07.13
12577	CB	GLU	C	65	-50	.091	19.	587	37	453	1.	0010	07.24
12578	CG	GLU	C	65	-49	.785	21.	044	37	.142	1.	0010	07.67
12579	CD	GLU	C	65	-48	.961	21.	713	38	.229	1.	0010	08.31
12580	OE1	GLU	C	65	-48	.763	22.	946	38	.151	1.	0010	08.55
12581	OE2	GLU	С	65	-48	.511	21.	010	39	.160	1.	0010	38.80
12582	С	GLU	С	65	-52	.260	19.	113	36	.283	1.	0010	06.88
12583	0	GLU	С	65	-52	.698	20.	108	35	.707	1.	0010	06.98
12584	N	ASN	С	66	-53	.046	18.	238	36	.899	1.	0010	06.55
12585	CA	ASN	С	66	-54	.489	18.	448	36	924	1.	0010	06.23
12586	CB	ASN	С	66		.279	17.	144	36	.781	1.	0010	06.30
12587	CG	ASN	С	66		.035	17.	076		.468			06.39

FIGURE 3 IM

A	В	C	D	E		F		G	I	ł	1	Ι	J
12588	OD1	ASN		66	E 4	.375	10	109	2.1	.892	1	001	106.86
12589	ND2	ASN		66		.300		866		. 988			106.05
12590	C	ASN		66		.993		297 796		.085			105.93
12591	0			66									
12592	N	SER		67		.824		598		.906			105.45
12593	CA	SER		67		.311		626		.804			104.97
12594	CB	SER		67		.271		980		867			105.03
12595	OG	SER		67		.194		714		.310			105.01
12596	С	SER		67		.478		757		.811			104.56
12597	0	SER		67		.058		808		.100			104.55
12598	N	THR		68		.952		489		.618			103.87
12599	CA	THR		68		.016		391		.483			103.13
12600	CB	THR		68		.311		743		.276			103.09
12601	OG1	THR		68		.994		322		651			103.00
12602	CG2	THR		68		.058		764		.186			102.99
12603	C	THR		68		.469		640		.126			102.68
12604	0	THR		68		.892		782		947			102.68
12605	N	PHE		69		.235		558		.041			101.95
12606	CA	PHE	С	69		.630		644		.638			101.21
12607	CB	PHE	С	69		.892		651		.509			101.21
12608	CG	PHE	С	69		.711		444		609			101.05
12609	CD1	PHE	С	69		.397		370		.635			100.92
12610	CE1	PHE	С	69		.309		181		.808			100.82
12611	CZ	PHE	С	69		.520		067		952			100.87
12612	CE2	PHE	С	69		.818		138		924			100.79
12613	CD2	PHE	С	69		.905		328		.747			100.90
12614	С		С	69		.590		384		.792			100.70
12615	0	PHE	С	69		.725		964		.577			100.64
12616	N	ASP		70		.138		627		.017	1.	.00	99.98
12617	CA	ASP		70		.006		424		.169		.00	99.27
12618	CB	ASP	С	70	-59	.197	22.	271	39	.460	1.	.00	99.39
12619	CG	ASP	С	70	-59	.854	21.	318	40	455	1.	.00	99.76
12620	OD1	ASP	С	70	-60	.924	20.	756	40	.134	1.	.001	100.03
12621	OD2	ASP	С	70	-59	.370	21.	062	41	.579	1.	.001	100.24
12622	C	ASP	С	70	-60	.985	23.	591	38	.257	1.	.00	98.57
12623	0	ASP	С	70	-61	.959	23.	550	39	.009	1.	.00	98.63
12624	N	GLU	С	71	-60	.716	24.	634	37	.477	1.	.00	97.63
12625	CA	GLU	С	71	-61	.603	25.	787	37	.407	1.	.00	96.63
12626	CB	GLU	С	71	-60	.820	27.	095	37	.545	1.	.00	96.82
12627	CG	GLU	С	71	-61	.652	28.	260	38	.068	1.	.00	97.17
12628	CD	GLU	С	71	-60	.900	29.	580	38	.045	1.	.00	97.32
12629	OE1	GLU	С	71	-59	.666	29.	558	37	847	1.	.00	97.16
12630	OE2	GLU	С	71	-61	.545	30.	639	38	.223	1.	.00	97.07
12631	C	GLU	С	71	-62	.320	25.	722	36	.066	1.	.00	95.71
12632	0	GLU	С	71	-63	.229	26.	504	35	.787	1.	.00	95.56
12633	N	PHE	С	72	-61	.888	24.	770	35	.244	1.	.00	94.60
12634	CA	PHE	С	72	-62	.489	24.	502	33	942		.00	93.53
12635	CB	PHE	С	72	-61	.793		297	33	.307	1.	.00	93.60
12636	CG	PHE	С	72	-62	.130	23.	076	31	.864	1.	.00	93.81
12637	CD1	PHE	С	72	-63	.054	22.	116	31	.498	1.	.00	94.04
12638	CE1	PHE	С	72	-63	3.360	21.	900	30	.169	1.	.00	94.09

FIGURE 3 IN

12639	A	В	C	D	E		F		G		H	I		J
12640 CE2 PHE C 72														
12640 CD2 PHE C 72														
12642 C														
12644 N GLY C 73														
12644 N GLY C 73														
12646 C														
12646 C														
12648 N HIS C 74														
12648 N														
12650 CB HIS C 74 -66.043 20.227 33.751 1.00 86.07														
12650 CB HIS C 74		N	HIS	С										
12651 CG														
12652 ND1 HIS C 74														
12653 CEI HIS C 74 -68.934 22.380 31.335 1.00 87.10 12655 CD2 HIS C 74 -68.020 32.248 30.937 1.00 87.04 12655 CD2 HIS C 74 -66.772 22.731 31.192 1.00 86.82 12656 C HIS C 74 -64.086 19.079 34.526 1.00 84.97 12658 N SER C 75 -65.843 17.823 33.955 1.00 84.75 12659 CA SER C 75 -65.843 17.823 33.955 1.00 82.15 12660 CB SER C 75 -66.208 15.523 34.642 1.00 82.15 12661 OS SER C 75 -66.208 15.523 34.642 1.00 82.15 12662 C SER C 75 -65.781 44.373 35.298 1.00 82.15 12663 OS SER C 75 -64.474 16.083 39.192 1.00 80.94 12665 CA LIE C 76 -63.148 16.057 32.957 1.00 79.56 12666 CB LIE C 76 -60.919 16.208 31.950 1.00 78.25 12666 CB LIE C 76 -60.919 16.208 31.950 1.00 78.25 12666 CB LIE C 76 -60.919 16.208 31.254 1.00 77.53 12669 CG2 LIE C 76 -60.206 17.721 32.212 1.00 77.53 12670 C LIE C 76 -60.343 14.190 31.566 1.00 77.35 12671 O LIE C 76 -60.344 14.100 31.566 1.00 77.35 12673 CA ASIN C 77 -62.969 12.338 30.425 1.00 77.16 12673 CA ASIN C 77 -62.969 12.338 30.425 1.00 77.49 12674 CB ASIN C 77 -64.190 10.560 28.802 1.00 74.36 12679 O ASIN C 77 -64.190 10.560 28.802 1.00 74.36 12670 O ASIN C 77 -64.190 10.560 28.802 1.00 74.36 12670 O ASIN C 77 -64.494 12.040 29.141 1.00 74.99 12675 CG ASIN C 77 -64.494 12.040 29.141 1.00 74.99 12676 OD ASIN C 77 -64.494 12.040 29.141 1.00 74.99 12676 OD ASIN C 77 -64.496 12.040 29.141 1.00 74.99 12676 OD ASIN C 77 -64.496 12.040 29.141 1.00 74.99 12677 ND2 ASIN C 77 -64.496 12.040 29.141 1.00 74.99 12678 O ASIN C 77 -64.496 10.075 29.905 1.00 74.25 12680 OA ASIP C 78 -59.991 1.00														
12654 NEZ HIS C 74 -68.020 23.248 30.937 1.00 87.04 12655 CD HIS C 74 -66.772 22.731 31.192 1.00 86.82 12656 C HIS C 74 -65.234 18.986 34.092 1.00 84.95 12658 N SER C 75 -65.843 17.823 33.995 1.00 84.75 12650 CA SER C 75 -65.185 16.557 34.172 1.00 82.03 12660 CB SER C 75 -65.185 16.557 34.642 1.00 82.03 12661 OG SER C 75 -66.908 15.523 34.642 1.00 82.05 12662 C SER C 75 -66.578 14.437 32.981 1.00 82.05 12663 O SER C 75 -64.744 16.083 32.991 1.00 80.95 12664 N ILE C 76 -65.112 15.751 31.917 1.00 80.85 12665 CA ILE C 76 -62.351														
12655 CD2 HIS C 74	12653	CE1	HIS	С	74	-6	8.934	22	.380	31	.335	1.	00	87.10
12656 C	12654	NE2	HIS	С	74	-6	8.020	23	.248	30	.937			87.04
12658 N SER C 75	12655	CD2	HIS	С	74					31	.192	1.	00	86.82
12658 N SBR C 75	12656	С	HIS	С	74	-6	5.234	18	.986	34	.092	1.		
12659 CA SBR C 75 -65.185 16.557 34.172 1.00 82.03 12660 CB SBR C 75 -65.578 14.437 35.298 1.00 82.05 12661 OG SBR C 75 -65.578 14.437 35.298 1.00 82.05 12663 O SBR C 75 -65.578 14.437 35.298 1.00 82.05 12664 N ILE C 75 -65.112 15.751 31.917 1.00 80.94 12665 CA ILE C 76 -62.351 15.692 31.957 1.00 79.56 12666 CB ILE C 76 -60.919 16.208 31.960 1.00 78.25 12667 CG ILE C 76 -60.926 17.721 32.212 1.00 77.93 12669 CG ILE C 6-61.795	12657	0	HIS	С	74					34	.526	1.	00	84.75
12660 CB SRR C 75	12658	N	SER	С	75	-6	5.843	17	.823	33	.895	1.	00	83.51
12661 OG SER C 75 -65.578 14.437 35.298 1.00 82.05 12662 C SER C 75 -64.744 16.083 32.912 1.00 80.94 12664 N TLE C 75 -65.112 15.751 31.917 1.00 80.85 12665 CA TLE C 76 -62.351 15.682 31.795 1.00 79.56 12666 CB TLE C 76 -60.919 16.208 31.795 1.00 78.25 12667 CGI TLE C 76 -60.926 17.721 32.212 1.00 77.93 12669 CGZ LE C 76 -60.969 15.826 30.750 1.00 78.93 12670 C LLE C 66 -62.334 14.190 31.566 1.00 77.39 12673 C LLE C 66 -62	12659	CA	SER	С	75	-€	55.185	16	.557	34	.172	1.	00	82.03
12662 C SSR C 75 -64.474 16.083 32.912 1.00 80.94 12663 N SSR C 75 -65.112 15.751 31.917 1.00 80.94 12664 N ILE C 76 -63.148 16.057 32.957 1.00 79.56 12666 CA ILE C 76 -60.919 16.208 31.950 1.00 78.25 12667 CGI ILE C 76 -60.926 17.721 32.212 1.00 77.94 12668 CBI ILE C 76 -61.979 18.505 31.254 1.00 77.94 12669 CGI ILE C 76 -61.979 18.505 31.254 1.00 77.94 12670 C ILE C 76 -62.334 14.190 31.566 1.00 77.39 12671 O ILE C 76 -62.334 14.190 31.566 1.00 77.39 12673 O ASN C 77 -62.907 13.759 30.445 1.00 77.39 <td></td> <td>CB</td> <td>SER</td> <td>С</td> <td>75</td> <td>-€</td> <td>6.208</td> <td>15</td> <td>.523</td> <td>34</td> <td>.642</td> <td>1.</td> <td>00</td> <td>82.15</td>		CB	SER	С	75	-€	6.208	15	.523	34	.642	1.	00	82.15
12663 O SER C 75 -65.112 15.751 31.917 1.00 80.85 12664 N LILE C 76 -63.148 16.057 32.957 1.00 78.15 12665 CA LILE C 76 -62.351 15.692 31.795 1.00 78.15 12666 CB LILE C 76 -60.919 16.208 31.795 1.00 77.93 12666 CB ILE C 76 -60.926 17.721 32.212 1.00 77.53 12669 CG ILE C 76 -60.099 15.826 30.750 1.00 77.95 12670 C LILE C 76 -60.069 15.826 30.750 1.00 77.93 12671 O LILE C 76 -61.999 13.437 32.344 1.00 77.93 12673 CA ASN C 77 -62.907 13.759 30.445 1.00 74.99 12674 CB ASN C 77 -64.94 12.040 29.141 1.00 74.99 <	12661	OG	SER	С	75	-€	5.578	14	.437	35	.298	1.	00	82.05
12664 N	12662	C	SER	С	75					32	.912	1.	00	80.94
12665 CA ILE C 76 -62.351 15.692 31.795 1.00 78.15 12666 CB ILE C 6 -60.926 17.721 32.212 1.00 77.94 12667 CG1 ILE C 76 -60.926 17.721 32.212 1.00 77.94 12669 CG2 ILE C 6 -60.996 15.826 30.750 1.00 77.53 12670 C ILE C 76 -61.995 18.505 31.254 1.00 77.53 12670 C ILE C 76 -62.334 14.190 31.566 1.00 77.39 12673 C ASN C 77 -62.907 13.759 30.445 1.00 74.99 12673 C ASN C 77 -62.907 13.759 30.445 1.00 74.99 12675 CG ASN C 77 -64.190 10.560 28.802 1.00 74.99 12675 <	12663	0	SER	С	75	-€	55.112	15	.751	31	.917	1.	00	80.85
12666 CB ILE C 76 -60.919 16.208 31.960 1.00 78.25 12667 CGI ILE C 6 -60.926 17.721 32.212 1.00 77.93 12669 CG2 ILE C 76 -61.795 18.505 31.254 1.00 77.53 12670 C ILE C 76 -62.334 14.130 31.566 1.00 77.35 12671 O ILE C 76 -62.934 14.130 31.566 1.00 77.05 12673 C ASN C 77 -62.907 13.437 32.384 1.00 77.16 12674 C ASN C 77 -62.907 13.759 30.445 1.00 74.99 12676 DI ASN C 77 -64.994 12.040 29.141 1.00 74.99 12676 DI ASN C 77 -64.194 12.040 29.141 1.00 74.36 12678	12664	N	ILE	С	76	-6	3.148	16	.057	32	.957	1.	00	79.56
12667	12665	CA	ILE	С	76	-6	2.351	15	.692	31	.795	1.	00	78.15
12668 CD1 ILE C 76 -61.795 18.505 31.254 1.00 77.53 12669 CS2 ILE C 6 -60.69 15.826 30.750 1.00 78.05 12671 O ILE C 6 -62.334 14.190 31.566 1.00 77.16 12673 CA ASN C 77 -62.907 13.759 30.445 1.00 77.16 12674 CB ASN C 77 -64.994 12.040 29.141 1.00 74.99 12676 OB ASN C 77 -64.190 10.560 28.802 1.00 74.99 12676 OB ASN C 77 -64.190 10.560 28.802 1.00 74.36 12678 C ASN C 77 -64.458 9.727 29.672 1.00 73.41 12680 O ASN C 77 -61.2	12666	CB	ILE	С	76	-6	0.919	16	.208	31	.960	1.	00	78.25
12669 CG2 ILE C 76 -60.069 15.826 30.750 1.00 78.05 12671 O ILE C 76 -62.334 41.90 31.566 1.00 77.16 12672 N ASN C 77 -62.907 13.759 30.445 1.00 77.16 12673 CA ASN C 77 -62.907 13.759 30.445 1.00 77.16 12674 CB ASN C 77 -62.907 12.338 30.128 1.00 74.99 12675 CG ASN C 77 -64.994 12.040 29.141 1.00 74.99 12676 CG ASN C 77 -64.919 10.560 28.802 1.00 74.39 12677 ND2 ASN C 77 -64.458 9.727 29.672 1.00 73.41 12678 C ASN C 77 -61.663 11.829 29.565 1.00 74.35 12680 N ASP C 78 -61.063 12.627 28.693 1.00 74.25 12680 CA ASP C 78 -59.792 12.264 28.092 1.00 72.38 12683 CG ASP C 78 -59.792 12.264 28.092 1.00 72.38 12684 CD ASP C 78 -58.753 10.412 26.688 1.00 72.38 12685 CD ASP C 78 -58.737 9.450 25.890 1.00 71.29 12686 C ASP C 78 -59.084 13.504 27.580 1.00 71.25 12686 C ASP C 78 -59.084 13.504 27.580 1.00 71.25 12686 C ASP C 78 -59.084 13.504 27.580 1.00 71.25 12686 C ASP C 78 -59.084 13.504 27.580 1.00 71.25 12687 O ASP C 78 -59.084 13.504 27.580 1.00 71.25 12688 C ASP C 78 -59.084 13.504 27.580 1.00 72.15 12687 O ASP C 78 -59.084 13.504 27.580 1.00 72.15 12688 C ASP C 78 -59.084 13.504 27.580 1.00 72.15 12689 O ASP C 78 -59.084 13.504 27.580 1.00 72.15 12689 O ASP C 78 -59.084 13.504 27.580 1.00 72.15 12689 O ASP C 78 -59.084 13.504 27.580 1.00 72.15 12689 O ASP C 78 -59.084 13.504 27.580 1.00 72.15 12689 O ASP C 78 -59.084 13.504 27.580 1.00 72.15 12689 O ASP C 78 -59.084 13.504 27.580 1.00 72.15 12689 O ASP C	12667	CG1	ILE	С	76	-6	0.926	17	.721	32	.212	1.	00	77.94
12670 C	12668	CD1	ILE	С	76	-6	1.795	18	.505	31	.254	1.	00	77.53
12671 0 LLE C 76 -61.799 13.437 32.384 1.00 77.16 12672 N ASN C 77 -62.907 13.759 30.445 1.00 74.16 12673 CA ASN C 77 -62.969 12.338 30.128 1.00 74.99 12675 CG ASN C 77 -64.190 10.560 28.802 1.00 74.99 12677 ADZ ASN C 77 -64.498 9.727 29.672 1.00 73.41 12677 ADZ ASN C 77 -61.663 11.829 29.565 1.00 74.31 12680 ASP C 78 -61.063 12.627 28.693 1.00 73.42 12682 CB ASP C 78 -61.063 12.627 28.693 1.00 74.25 12681 CA ASP C 78 -59.792 12.264 28.992 1.00 72.65 12682 CB ASP C 78 -59.991 11.266 26.944 1.00 72.23 <	12669	CG2	ILE	С	76	-€	0.069	15	.826	30	.750	1.	00	78.05
12672 N	12670	C	ILE	С	76	-€	2.334	14	.190	31	.566	1.	00	77.39
12672 N	12671	0	ILE	С	76	-€	1.799	13	.437	32	.384	1.	00	77.16
12674 CB ASN C 77	12672	N	ASN	С	77	-6	2.907	13	.759	30	.445			
12674 CB ASN C 77	12673	CA	ASN	С	77	-€	2.969	12	.338	30	.128	1.	00	74.99
12675 CG ASN C 77 -64.190 10.560 28.802 1.00 74.36 12676 OD1 ASN C 77 -64.458 9.727 29.672 1.00 73.41 12677 ND2 ASN C 77 -63.964 10.226 27.534 1.00 74.31 12679 O ASN C 77 -61.663 11.829 29.565 1.00 74.35 12680 N ASP C 78 -61.063 12.627 28.693 1.00 73.48 12681 CA ASP C 78 -59.792 12.264 28.092 1.00 72.58 12682 CB ASP C 78 -59.991 11.266 26.944 1.00 72.58 12683 CG ASP C 78 -59.991 11.266 26.944 1.00 72.38 12684 ODI ASP C 78 -57.701 10.679 27.312 1.00 72.10 12685 ODZ ASP C 78 -58.737 9.450 25.890 1.00 71.29 12686 C ASP C<	12674	CB	ASN	С	77					29	.141	1.	00	74.99
12677 NDZ ASN C 77 -63.964 10.226 27.534 1.00 73.07 12679 O ASN C 77 -61.214 10.735 29.965 1.00 74.31 12680 N ASP C 78 -61.063 12.627 28.693 1.00 73.48 12681 CB ASP C 78 -59.791 12.264 28.092 1.00 72.58 12682 CB ASP C 78 -59.991 11.266 26.944 1.00 72.58 12684 OBJ ASP C 78 -57.701 10.679 27.312 1.00 72.15 12685 OZ ASP C 78 -57.701 10.679 27.312 1.00 72.10 12686 C ASP C 78 -58.737 9.450 25.890 1.00 71.29 12687 O ASP C 78 -59		CG	ASN	С	77	-6	4.190			28	.802	1.	00	74.36
12678 C ASN C 77 -61.663 11.829 29.565 1.00 74.31 12680 N ASP C 78 -61.024 10.735 29.901 1.00 74.25 12681 CA ASP C 78 -61.063 12.627 28.693 1.00 72.65 12682 CB ASP C 78 -59.792 12.264 28.992 1.00 72.65 12682 CB ASP C 78 -59.991 11.266 26.944 1.00 72.38 12684 OD I ASP C 78 -58.753 10.412 26.688 1.00 72.38 12685 OD I ASP C 78 -58.737 9.450 25.890 1.00 71.29 12686 C ASP C 78 -59.084 13.504 27.580 1.00 72.15 12686 C ASP C 78 -59.084 13.504 27.580 1.00 72.15 12687 O ASP C 78 -59.084 13.504 27.580 1.00 72.15	12676	OD1	ASN	С	77	-6	4.458	9	.727	29	.672	1.	00	73.41
12678 C ASN C 77 -61.663 11.829 29.565 1.00 74.31 12680 N ASP C 78 -61.024 10.735 29.901 1.00 74.25 12681 CA ASP C 78 -61.063 12.627 28.693 1.00 72.65 12682 CB ASP C 78 -59.792 12.264 28.992 1.00 72.65 12682 CB ASP C 78 -59.991 11.266 26.944 1.00 72.38 12684 OD I ASP C 78 -58.753 10.412 26.688 1.00 72.38 12685 OD I ASP C 78 -58.737 9.450 25.890 1.00 71.29 12686 C ASP C 78 -59.084 13.504 27.580 1.00 72.15 12686 C ASP C 78 -59.084 13.504 27.580 1.00 72.15 12687 O ASP C 78 -59.084 13.504 27.580 1.00 72.15														
12679 O ASN C 77 -61.214 10.735 29.901 1.00 74.25 12680 N ASP C 78 -61.063 12.627 28.693 1.00 73.48 12681 CA ASP C 78 -59.792 12.264 28.092 1.00 72.65 12683 CG ASP C 78 -59.991 11.266 26.688 1.00 72.58 12685 OD2 ASP C 78 -57.701 10.679 27.312 1.00 72.10 12686 C ASP C 78 -58.737 9.450 25.890 1.00 72.15 12687 O ASP C 78 -59.084 13.504 27.550 1.00 72.15 12687 O ASP C 78 -59.064 13.504 27.550 1.00 72.15														
12680 N ASP C 78 -61.063 12.627 28.693 1.00 73.48 12681 CA ASP C 78 -59.792 12.264 28.092 1.00 72.65 12682 CB ASP C 78 -59.991 11.266 26.944 1.00 72.38 12684 ODI ASP C 78 -58.753 10.412 26.688 1.00 72.38 12685 ODZ ASP C 78 -58.737 9.450 25.890 1.00 71.29 12686 C ASP C 78 -59.084 13.504 27.580 1.00 72.15 12687 O ASP C 78 -59.084 13.504 27.580 1.00 72.10 12687 O ASP C 78 -59.084 13.504 27.580 1.00 72.15														
12681 CA ASP C 78 -59.792 12.264 28.092 1.00 72.65 12682 CB ASP C 78 -59.991 11.266 26.044 1.00 72.58 12683 CB ASP C 78 -58.753 10.412 26.688 1.00 72.38 12684 OD1 ASP C 78 -57.701 10.679 27.312 1.00 72.10 12685 OD2 ASP C 78 -58.737 9.450 25.890 1.00 72.15 12687 O ASP C 78 -59.084 13.504 27.550 1.00 72.15 12687 O ASP C 78 -59.661 14.589 27.507 1.00 72.15														
12682 CB ASP C 78 -59.991 11.266 26.944 1.00 72.58 12684 Obl ASP C 78 -57.701 10.679 27.312 1.00 72.38 12685 Obl ASP C 78 -58.737 9.450 25.890 1.00 71.29 12686 C ASP C 78 -59.084 13.504 27.580 1.00 72.15 12687 O ASP C 78 -59.661 14.589 27.507 1.00 72.15														
12683 GG ASP C 78 -58.753 10.412 26.688 1.00 72.38 12684 OD1 ASP C 78 -57.701 10.679 27.312 1.00 72.10 12685 OD2 ASP C 78 -58.737 9.450 25.890 1.00 71.29 12686 C ASP C 78 -59.084 13.504 27.580 1.00 72.15 12687 O ASP C 78 -59.661 14.589 27.507 1.00 72.15														
12684 ODI ASP C 78 -57.701 10.679 27.312 1.00 72.10 12685 ODZ ASP C 78 -58.737 9.450 25.890 1.00 71.29 12686 C ASP C 78 -59.084 13.504 27.580 1.00 72.15 12687 O ASP C 78 -59.661 14.589 27.507 1.00 72.00														
12685 OD2 ASP C 78 -58.737 9.450 25.890 1.00 71.29 12687 O ASP C 78 -59.084 13.504 27.580 1.00 72.15 12687 O ASP C 78 -59.661 14.589 27.507 1.00 72.00														
12686 C ASP C 78 -59.084 13.504 27.580 1.00 72.15 12687 O ASP C 78 -59.661 14.589 27.507 1.00 72.00														
12687 O ASP C 78 -59.661 14.589 27.507 1.00 72.00														
	12688	N			79		7.821							71.66
12689 CA TYR C 79 -57.038 14.421 26.690 1.00 71.20		CA			79									

FIGURE 3 IO

A	В	C	D	E		F		G	1	Н	I	J
12690	СВ	TYR	c	79	-5	6.058	1.4	.959	27	.736	1.00	71.18
12691	CG	TYR		79		4.920		.014		.038	1.00	70.81
12692	CD1	TYR		79		4.943		.210		.167	1.00	70.70
12693	CE1	TYR		79		3.906		.342		.440	1.00	70.91
12694	CZ	TYR		79		2.830		.272		.580	1.00	70.37
12695	OH	TYR		79		1.793		.415		.852	1.00	70.04
12696	CE2	TYR		79		2.787		.059		.457	1.00	70.54
12697	CD2	TYR		79		3.825		.923		.192	1.00	70.46
12698	C	TYR		79		6.280		.905		.488	1.00	70.82
12699	ŏ	TYR		79		5.973		.721		.393	1.00	70.72
12700	N	SER		80		5.995		.800		.559	1.00	70.61
12701	CA	SER		80		5.210		.442		.398	1.00	70.59
12702	CB	SER		80		6.082		.333		.151	1.00	70.42
12703	OG	SER		80		5.362		.702		.112	1.00	70.29
12704	C	SER		80		4.155		.516		.218	1.00	70.56
12705	ō	SER		80		4.443		.711		.345	1.00	70.59
12706	N	ILE		81		2.929		.088		.948	1.00	70.28
12707	CA	ILE		81		1.834		.025		.760	1.00	69.94
12708	CB	ILE	č	81		0.641		.660		.667	1.00	69.93
12709	CG1	ILE		81		0.812		.325		.029	1.00	69.77
12710	CD1	ILE	č	81		0.407		.458		.182	1.00	69.81
12711	CG2	ILE		81		9.330		.115		.051	1.00	69.84
12712	C	ILE		81		1.419		.065		.306	1.00	69.71
12713	ō	ILE		81		1.019		.050		.739	1.00	69.64
12714	N	SER		82		1.548		.240		.702	1.00	69.37
12715	CA	SER		82		1.118		.436		.333	1.00	69.33
12716	CB	SER		82		1.173		.922		.975	1.00	69.47
12717	OG	SER		82		0.602		.156		.699	1.00	69.91
12718	c	SER		82		9.686		.953		.252	1.00	68.99
12719	ō	SER		82		8.955		.046		.232	1.00	69.07
12720	N	PRO		83		9.284		.418		.106	1.00	68.64
12721	CA	PRO		83	-4	7.905	15	.953		.926	1.00	68.48
12722	CB	PRO		83		7.888		.476		.473	1.00	68.45
12723	CG	PRO	С	83	-4	9.319	15	.151	16	.179	1.00	68.52
12724	CD	PRO		83	-5	0.107	16	.202		.905	1.00	68.55
12725	С	PRO	С	83	-4	6.929	17	.111	18	.142	1.00	68.19
12726	0	PRO	С	83	-4	5.824	16	.919	18	.637	1.00	68.33
12727	N	ASP	С	84	-4	7.359	18	.308	17	.769	1.00	67.84
12728	CA	ASP	С	84	-4	6.595	19	.523	17	.987	1.00	67.58
12729	CB	ASP	С	84	-4	7.529	20	.723	17	.854	1.00	67.54
12730	CG	ASP	С	84	-4	7.266	21	.528	16	.622	1.00	68.01
12731	OD1	ASP	С	84	-4	7.959	22	.548	16	.437	1.00	68.19
12732	OD2	ASP	С	84	-4	6.389	21	.225	15	.787	1.00	68.92
12733	C	ASP	С	84	-4	6.036	19	.584	19	.394	1.00	67.29
12734	0	ASP	С	84	-4	4.822	19	.566		.615	1.00	67.36
12735	N	GLY	С	85	-4	6.964	19	.672	20	.341	1.00	66.79
12736	CA	GLY	С	85	-4	6.658	19	.891	21	.738	1.00	66.22
12737	C	GLY	С	85	-4	7.167	21	.291	22	.043	1.00	65.77
12738	0	GLY	С	85	-4	6.934	21	.835	23	.125	1.00	65.89
12739	N	GLN	С	86	-4	7.868	21	.869	21	.068	1.00	65.07
12740	CA	GLN	С	86	-4	8.405	23	.228	21	.169	1.00	64.48

FIGURE 3 IP

A	В	С	D	E	F	G	H	I	J
12741	CB	GLN		86	-48.405	23.908	19.793	1.00	64.40
12742	CG	GLN		86	-47.240	24.862	19.572	1.00	64.45
12743	CD	GLN		86	-46.995	25.174	18.106	1.00	64.57
12744	OE1	GLN		86	-47.669	26.033	17.519	1.00	64.14
12745	NE2	GLN		86	-46.025	24.483	17.511	1.00	63.31
12746	С	GLN		86	-49.800	23.306	21.787	1.00	64.13
12747	0	GLN		86	-50.129	24.272	22.482	1.00	63.89
12748	N	PHE	С	87	-50.629	22.303	21.518	1.00	63.78
12749	CA	PHE	С	87	-51.977	22.289	22.071	1.00	63.29
12750	CB		С	87	-52.997	22.764	21.033	1.00	63.41
12751	CG	PHE		87	-52.694	24.116	20.460	1.00	63.48
12752	CD1	PHE	С	87	-53.320	25.247	20.951	1.00	63.92
12753	CE1		С	87	-53.038	26.494	20.429	1.00	64.03
12754	CZ	PHE	С	87	-52.123	26.620	19.405	1.00	64.22
12755	CE2	PHE	С	87	-51.493	25.496	18.905	1.00	63.52
12756	CD2	PHE	С	87	-51.781	24.256	19.429	1.00	63.35
12757	С		С	87	-52.370	20.914	22.589	1.00	62.81
12758	0	PHE		87	-51.969	19.889	22.041	1.00	63.11
12759	N	ILE	С	88	-53.144	20.903	23.667	1.00	62.10
12760	CA	ILE	С	88	-53.679	19.668	24.209	1.00	61.22
12761	CB		С	88	-53.349	19.519	25.715	1.00	61.25
12762	CG1	ILE		88	-53.520	18.066	26.166	1.00	61.28
12763	CD1	ILE		88	-52.939	17.792	27.538	1.00	60.54
12764	CG2	ILE		88	-54.207	20.428	26.559	1.00	60.74
12765	C	ILE		88	-55.178	19.709	23.962	1.00	60.82
12766	0		С	88	-55.808	20.763	24.090	1.00	60.91
12767	N	LEU		89	-55.743	18.575	23.567	1.00	60.14
12768	CA	LEU		89	-57.174	18.502	23.277	1.00	59.40
12769	CB	LEU		89	-57.413	17.581	22.085	1.00	59.54
12770	CG	LEU		89	-58.811	17.434	21.502	1.00	59.68
12771	CD1	LEU		89	-58.678	16.746	20.158	1.00	59.51
12772	CD2	LEU		89	-59.491	18.786	21.345	1.00	60.01
12773	C	LEU		89	-57.903	17.987	24.505	1.00	58.58
12774	0	LEU		89	-57.472	17.014	25.113	1.00	58.15
12775	N	LEU		90	-58.995	18.650	24.874	1.00	57.83
12776	CA	LEU		90	-59.740	18.279	26.075	1.00	57.34
12777	CB	LEU		90	-59.841	19.466	27.038	1.00	57.40
12778	CG	LEU		90	-58.615	19.701	27.921	1.00	57.46
12779	CD1	LEU		90	-58.963	20.637	29.065	1.00	57.90
12780	CD2	LEU		90	-58.116	18.375	28.456	1.00	57.26
12781	С	LEU		90	-61.127	17.701	25.801	1.00	56.84
12782	0	LEU		90	-62.034	18.411	25.373	1.00	56.74
12783	N	GLU		91	-61.280	16.410	26.089	1.00	56.21
12784	CA	GLU		91	-62.530	15.683	25.858	1.00	55.36
12785	CB	GLU		91	-62.202	14.265	25.407	1.00	55.13
12786	CG	GLU		91	-63.379	13.434	24.921	1.00	55.49
12787	CD	GLU		91	-62.941	12.049	24.461	1.00	55.86
12788	OE1	GLU		91	-62.638	11.198	25.323	1.00	55.96
12789	OE2	GLU		91	-62.877	11.811	23.239	1.00	56.22
12790	С	GLU		91	-63.419	15.640	27.104	1.00	54.78
12791	0	GLU	С	91	-62.987	15.205	28.172	1.00	55.13

FIGURE 3 IQ

A	В	С	D	Е	F	G	Н	I	J
12792	N	TYR	С	92	-64.657	16.098	26.960	1.00	53.96
12793	CA	TYR	C	92	-65.634	16.063	28.047	1.00	53.29
12794	CB	TYR	C	92	-65.451	17.234	29.024	1.00	53.45
12795	CG	TYR	C	92	-65.739	18.600	28.444	1.00	52.87
12796	CD1	TYR	С	92	-64.948	19.124	27.428	1.00	52.94
12797	CE1	TYR	С	92	-65.196	20.372	26.907	1.00	52.73
12798	CZ	TYR	С	92	-66.246	21.113	27.395	1.00	52.65
12799	OH	TYR	С	92	-66.495	22.352	26.857	1.00	54.21
12800	CE2	TYR	С	92	-67.046	20.619	28.405	1.00	51.62
12801	CD2	TYR	С	92	-66.788	19.372	28.925	1.00	51.67
12802	C	TYR	C	92	-67.059	16.007	27.503	1.00	52.56
12803	0	TYR	С	92	-67.261	15.962	26.295	1.00	52.30
12804	N	ASN	C	93	-68.044	16.006	28.395	1.00	51.97
12805	CA	ASN		93	-69.439	15.858	27.974	1.00	51.25
12806	CB	ASN		93	-69.919	17.086	27.211	1.00	51.25
12807	CG	ASN		93	-70.276	18.237	28.131	1.00	51.22
12808	OD1	ASN		93	-70.130	18.137	29.348	1.00	50.55
12809	ND2	ASN		93	-70.758	19.334	27.554	1.00	51.19
12810	С	ASN		93	-69.609	14.592	27.129	1.00	50.67
12811	0	ASN		93	-70.381	14.547	26.188	1.00	50.59
12812	N	TYR		94	-68.861	13.566	27.499	1.00	50.06
12813	CA	TYR		94	-68.848	12.295	26.808	1.00	49.66
12814	CB	TYR		94	-67.625	11.511	27.290	1.00	49.61
12815	CG	TYR		94	-67.635	10.039	26.969	1.00	50.89
12816	CD1	TYR		94	-66.979	9.553	25.851	1.00	50.78
12817	CE1	TYR		94	-66.978	8.206	25.552	1.00	51.62
12818 12819	CZ	TYR		94 94	-67.631 -67.624	7.321 5.973	26.375	1.00	52.07 53.02
12819	OH CE2	TYR		94		7.777	26.066 27.503	1.00	51.93
12821	CD2	TYR		94	-68.285 -68.280	9.126	27.799	1.00	51.61
12822	C	TYR		94	-70.116	11.467	27.040	1.00	49.15
12823	0	TYR		94	-70.529	11.258	28.183	1.00	49.10
12824	N	VAL		95	-70.745	11.027	25.955	1.00	47.85
12825	CA	VAL		95	-71.845	10.072	26.056	1.00	47.07
12826	CB	VAL		95	-73.258	10.703	25.945	1.00	47.35
12827	CG1	VAL		95	-73.203	12.217	26.129	1.00	47.00
12828	CG2	VAL		95	-73.929	10.329	24.639	1.00	47.41
12829	C	VAL		95	-71.643	8.972	25.012	1.00	46.09
12830	ō	VAL		95	-71.511	9.236	23.822	1.00	45.81
12831	N	LYS	С	96	-71.587	7.736	25.486	1.00	45.36
12832	CA	LYS	С	96	-71.331	6.581	24.631	1.00	44.41
12833	CB	LYS	C	96	-71.034	5.352	25.501	1.00	44.27
12834	CG	LYS	С	96	-70.908	4.033	24.759	1.00	43.31
12835	CD	LYS	С	96	-70.429	2.911	25.690	1.00	41.68
12836	CE	LYS	С	96	-70.680	1.537	25.060	1.00	41.73
12837	NZ	LYS	С	96	-72.135	1.379	24.701	1.00	40.16
12838	C	LYS		96	-72.472	6.269	23.677	1.00	43.96
12839	0	LYS		96	-73.655	6.418	24.012	1.00	43.57
12840	N	GLN		97	-72.105	5.852	22.474	1.00	43.47
12841	CA	GLN		97	-73.094	5.341	21.536	1.00	
12842	CB	GLN	С	97	-72.990	6.010	20.162	1.00	43.52

FIGURE 3 IR

A	В	С	D	E	F	G	H	I	J
12843	CG	GLN	С	97	-74.137	5.683	19.214	1.00	45.18
12844	CD	GLN	С	97	-74.129	6.546	17.944	1.00	48.17
12845	OE1	GLN	С	97	-75.119	7.220	17.635	1.00	49.06
12846	NE2	GLN	С	97	-73.015	6.523	17.211	1.00	47.49
12847	С	GLN	C	97	-72.856	3.841	21.463		42.21
12848	0	GLN		97	-73.284	3.105	22.353	1.00	42.31
12849	N	TRP		98	-72.130	3.381	20.452	1.00	40.98
12850	CA	TRP		98	-71.914	1.946	20.320	1.00	40.00
12851	CB	TRP		98	-72.023	1.491	18.865	1.00	39.57
12852	CG	TRP	С	98	-73.243	2.019	18.198	1.00	37.44
12853	CD1	TRP		98	-73.310	2.611	16.979	1.00	36.49
12854	NE1	TRP	С	98	-74.605	2.979	16.697	1.00	34.62
12855	CE2	TRP		98	-75.404	2.641	17.756	1.00	35.69
12856	CD2	TRP	С	98	-74.579	2.034	18.723	1.00	35.77
12857	CE3	TRP		98	-75.168	1.583	19.911	1.00	33.97
12858	CZ3	TRP	С	98	-76.523	1.750	20.089	1.00	32.14
12859	CH2	TRP	С	98	-77.313	2.354	19.116	1.00	34.11
12860	CZ2	TRP		98	-76.779	2.807	17.940	1.00	35.02
12861	С	TRP	С	98	-70.606	1.510	20.935	1.00	39.85
12862	0	TRP	С	98	-70.169	2.087	21.922	1.00	40.10
12863	N	ARG	С	99	-69.988	0.486	20.366	1.00	39.89
12864	CA	ARG	С	99	-68.743	-0.035	20.917	1.00	40.14
12865	CB	ARG		99	-68.310	-1.305	20.189	1.00	40.11
12866	CG	ARG		99	-67.364	-2.170	21.017	1.00	40.05
12867	CD	ARG	С	99	-66.735	-3.348	20.285	1.00	38.41
12868	NE	ARG	С	99	-67.679	-4.417	19.962	1.00	40.14
12869	CZ	ARG	С	99	-68.053	-5.383	20.801	1.00	41.00
12870	NH1	ARG	С	99	-67.585	-5.415	22.045	1.00	42.47
12871	NH2	ARG	С	99	-68.902	-6.321	20.402	1.00	39.62
12872	С	ARG	С	99	-67.606	0.987	20.916	1.00	40.49
12873	0	ARG	С	99	-66.840	1.085	21.887	1.00	40.62
12874	N	HIS	С	100	-67.501	1.756	19.841	1.00	40.70
12875	CA	HIS	С	100	-66.421	2.734	19.722	1.00	41.29
12876	CB	HIS	С	100	-65.599	2.459	18.469	1.00	40.60
12877	CG	HIS	С	100	-65.231	1.020	18.299	1.00	38.97
12878	ND1	HIS	С	100	-64.288	0.395	19.086	1.00	37.10
12879	CE1	HIS	С	100	-64.175	-0.867	18.713	1.00	35.78
12880	NE2	HIS	С	100	-65.013	-1.082	17.715	1.00	35.69
12881	CD2	HIS	С	100	-65.686	0.081	17.439	1.00	35.77
12882	С	HIS	С	100	-66.976	4.139	19.652	1.00	42.16
12883	0	HIS	С	100	-66.473	5.054	20.307	1.00	42.53
12884	N	SER	С	101	-68.032	4.297	18.869	1.00	43.15
12885	CA	SER	С	101	-68.658	5.593	18.680	1.00	44.52
12886	CB	SER	С	101	-69.843	5.486	17.723	1.00	44.35
12887	OG	SER		101	-70.720	4.438	18.086		45.12
12888	C	SER	С	101	-69.100	6.274	19.973	1.00	45.50
12889	0	SER		101	-69.524	5.623	20.934	1.00	46.06
12890	N	TYR		102	-68.986	7.595	19.979	1.00	46.20
12891	CA	TYR		102	-69.420	8.399	21.091	1.00	46.87
12892	CB	TYR		102	-68.534	8.212	22.318	1.00	46.91
12893	CG	TYR	С	102	-67.088	8.668	22.209	1.00	46.66

FIGURE 3 IS

A	В	C	D	E		F		G	Н		I	J
12894	CD1	TYR		102	-66	.716	0	954	22.	573	1 00	46.77
12895	CE1	TYR		102		.389	10.		22.		1.00	47.77
12896	CZ	TYR		102		.410		478	22.		1.00	48.33
12897	OH	TYR		102		3.093		887	22.		1.00	48.76
12898	CE2	TYR		102		.750		188	21.		1.00	47.47
12899	CD2	TYR		102		.086		787	21.			47.17
12900	C	TYR				.457		848	20.		1.00	47.85
12901	Ö	TYR		102		8.892	10.		19.		1.00	48.16
12901	N	THR		103		1.129	10.		21.		1.00	48.55
12902	CA	THR		103		.290	12.		21.		1.00	49.29
12903	CB	THR		103		.797	12.		21.		1.00	49.45
12904	OG1	THR		103		.180	12.		19.		1.00	49.43
12905	CG2	THR		103		.137	13.		21.		1.00	49.38
12907	C	THR		103		.615	12.		22.		1.00	50.01
12907	0	THR		103		.586	12.		23.		1.00	49.63
12909		ALA		103		0.031	13.		22.		1.00	51.05
	N											
12910 12911	CA	ALA		104 104		.338	14. 14.		23.		1.00	52.17
	CB											
12912	С	ALA		104		1.108	16.		22.		1.00	53.01
12913	0	ALA		104		1.158	16.				1.00	
12914	N	SER		105		.868	16.		23.		1.00	54.39
12915	CA	SER		105		.531	18.		23.		1.00	55.36
12916 12917	CB OG	SER		105 105		.091	19. 19.		25.		1.00	55.27
12917												
	С	SER		105		.013	18.		23.		1.00	56.28
12919 12920	0	SER		105 106		.304	17.		24.		1.00	56.13
	N	TYR				.067	19.		23.			58.72
12921	CA			106			19.				1.00	
12922	CB	TYR		106		.559	19.		21.		1.00	58.56
12923 12924	CG	TYR		106 106		8.817 1.997	17.		21.		1.00	58.33 58.17
	CD1	TYR										
12925 12926	CE1 CZ	TYR		106		.234	15. 15.		20.		1.00	58.20 58.18
12927	OH	TYR		106		.516	13.		21.		1.00	59.07
12927	CE2	TYR		106		3.104	15.		21.		1.00	58.09
12929	CD2	TYR		106		.875	16.		22.		1.00	58.36
12929		TYR		106		3.571	21.		23.		1.00	59.83
12930	C	TYR				.215	22.					
12931	N	ASP		106 107		.405	21.		22.		1.00	59.62
12932	CA	ASP		107		.728	22.		24.		1.00	62.67
12933												
12934	CB CG	ASP		107 107		.012	23.		25. 25.		1.00	62.73
12935		ASP					24.					
				107		.625			24.		1.00	64.09
12937	OD2	ASP		107		1.117	23.		26.		1.00	65.12
12938 12939	C	ASP		107		.242	22.		23.		1.00	63.58
	0	ASP		107		.662	21.		24.		1.00	63.69
12940	N	ILE		108		.628	23.		23.		1.00	64.96
12941	CA	ILE		108		.202	23.		22.		1.00	66.25
12942	CB	ILE		108		.879	23.		21.		1.00	65.94
12943	CG1	ILE		108		.709	22.		20.		1.00	65.80
12944	CD1	ILE	С	108	-58	.971	23.	240	19.	159	1.00	65.86

FIGURE 3 IT

A	В	C	D	E	F		G	H	I	J
12945	CG2			108	-56.401	23.		21.181	1.00	65.68
12946	C	ILE		108	-57.478	24.		23.839	1.00	67.51
12947	0			108	-57.905	25.		24.043	1.00	67.62
12948	N	TYR			-56.398	23.		24.437	1.00	69.30
12949	CA			109	-55.617	24.		25.321	1.00	71.29
12950	CB	TYR			-55.408	23.		26.692	1.00	71.59
12951	CG	TYR		109	-56.374	24.		27.738	1.00	73.01
12952	CD1	TYR		109	-55.963	24.		29.048	1.00	74.40
12953	CE1	TYR		109	-56.852	24.		30.009	1.00	74.66
12954	CZ			109	-58.166	25.		29.663	1.00	75.26
12955	OH	TYR		109	-59.062	25.		30.608	1.00	75.96
12956	CE2	TYR			-58.590	25.		28.367	1.00	75.10
12957	CD2	TYR		109	-57.697	24.		27.414	1.00	74.15
12958	С	TYR		109	-54.288	24.		24.696	1.00	72.29
12959	0	TYR	С	109	-53.488	23.	857	24.403	1.00	72.28
12960	N	ASP	С	110	-54.079	26.	042	24.478	1.00	73.72
12961	CA	ASP		110	-52.831	26.		23.947	1.00	75.06
12962	CB	ASP		110	-52.958	28.	051	23.675	1.00	75.46
12963	CG	ASP		110	-51.890	28.		22.727	1.00	76.76
12964	OD1	ASP	С	110	-50.784	27.	976	22.687	1.00	77.78
12965	OD2	ASP	С	110	-52.074	29.	563	21.983	1.00	77.35
12966	C	ASP	С	110	-51.790	26.	318	25.013	1.00	75.66
12967	0	ASP	С	110	-51.772	27.	018	26.029	1.00	75.84
12968	N	LEU	С	111	-50.935	25.		24.793	1.00	76.33
12969	CA	LEU	С	111	-49.922	24.	963	25.776	1.00	77.04
12970	CB	LEU	С	111	-49.176	23.	692	25.349	1.00	77.25
12971	CG	LEU	С	111	-50.057	22.	435	25.344	1.00	77.29
12972	CD1	LEU	С	111	-50.657	22.	202	26.721	1.00	77.62
12973	CD2	LEU	С	111	-49.292	21.	211	24.895	1.00	77.54
12974	С	LEU	С	111	-48.958	26.	109	26.072	1.00	77.48
12975	0	LEU	С	111	-47.799	25.	885	26.437	1.00	77.49
12976	N	ASN	С	112	-49.460	27.	335	25.920	1.00	77.89
12977	CA	ASN	С	112	-48.705	28.	548	26.222	1.00	78.28
12978	CB	ASN	С	112	-49.549	29.	800	25.933	1.00	78.48
12979	CG	ASN	С	112	-49.420	30.	283	24.491	1.00	79.52
12980	OD1	ASN	С	112	-48.766	29.	644	23.656	1.00	79.74
12981	ND2	ASN	С	112	-50.042	31.	426	24.194	1.00	80.43
12982	С	ASN	С	112	-48.242	28.	572	27.672	1.00	78.15
12983	0	ASN	С	112	-47.801	27.	558	28.215	1.00	78.08
12984	N	LEU	С	116	-57.788	28.	279	27.447	1.00	72.85
12985	CA	LEU	С	116	-58.622	27.	775	26.320	1.00	73.03
12986	CB	LEU		116	-60.118	27.		26.658	1.00	73.20
12987	CG	LEU	С	116	-60.755	27.	158	27.865	1.00	73.68
12988	CD1	LEU			-60.610	28.		29.102	1.00	74.21
12989	CD2	LEU		116	-62.232	26.		27.580	1.00	74.11
12990	C			116	-58.417	28.		25.061	1.00	72.91
12991	ŏ	LEU		116	-58.267	29.		25.128	1.00	73.02
12992	N		č	117	-58.421	27.		23.912	1.00	72.67
12993	CA	ILE		117	-58.425	28.		22.632	1.00	72.45
12994	CB	ILE		117	-57.975	27.		21.504	1.00	72.61
12995	CG1			117	-56.454	27.		21.518		73.05

FIGURE 3 IU

A	В	С	D	E	F	G	H	1	J
12996	CD1			117	-55.705	28.625	20.803	1.00	74.03
12997	CG2	ILE		117	-58.392	28.244	20.176	1.00	72.78
12998	C			117	-59.878	29.039	22.447	1.00	72.09
12999	0			117	-60.611	28.510	21.611	1.00	72.22
13000	N			118	-60.260	30.018	23.255	1.00	71.59
13001	CA	THR			-61.625	30.525	23.406	1.00	70.99
13002	CB	THR			-61.581	31.705	24.411	1.00	71.18
13003	OG1	THR		118	-60.444	32.533	24.120	1.00	71.21
13004	CG2	THR		118	-61.300	31.209	25.827	1.00	71.20
13005	C			118	-62.466	30.982	22.205	1.00	70.46
13006	0	THR		118	-63.677	31.133	22.345	1.00	70.38
13007	N	GLU			-61.878	31.205	21.037	1.00	69.97
13008	CA	GLU			-62.673	31.849	19.983	1.00	69.55
13009	CB	GLU		119	-61.932	33.047	19.367	1.00	69.69
13010	CG	GLU			-60.421	32.915	19.326	1.00	70.24
13011	CD	GLU			-59.737	33.583	20.506	1.00	70.72
13012	OE1	GLU			-59.435	32.886	21.500	1.00	70.24
13013	OE2	GLU		119	-59.490	34.808	20.430	1.00	71.20
13014	С	GLU		119	-63.362	31.014	18.891	1.00	69.00
13015	0	GLU			-64.503	31.305	18.540	1.00	69.14
13016	N	GLU		120	-62.703	30.021	18.313	1.00	68.21
13017	CA	GLU			-63.401	29.246	17.282	1.00	67.56
13018	CB	GLU			-62.805	29.470	15.893	1.00	67.51
13019	CG	GLU		120	-63.862	29.756	14.832	1.00	68.37
13020	CD	GLU		120	-64.326	31.210	14.806	1.00	69.69
13021	OE1	GLU		120	-64.261	31.841	13.732	1.00	69.90
13022	OE2				-64.769	31.733	15.851	1.00	70.32
13023	С	GLU		120	-63.460	27.778	17.670	1.00	66.68
13024	0	GLU			-62.815	26.917	17.068	1.00	66.69
13025	N	ARG		121	-64.275	27.522	18.685	1.00	65.57
13026	CA	ARG		121	-64.354	26.222	19.335	1.00	64.49
13027	CB	ARG			-65.061	26.364	20.689	1.00	64.55
13028	CG	ARG			-64.452	27.442	21.585	1.00	64.75
13029	CD	ARG			-65.300	27.805	22.800	1.00	65.21
13030	NE	ARG			-65.021	26.952	23.950	1.00	65.00
13031	CZ	ARG		121	-65.920	26.630	24.877	1.00	66.10
13032	NH1	ARG		121	-67.163	27.087	24.789	1.00	65.99
13033		ARG		121	-65.582	25.845	25.894	1.00	65.23
13034	С	ARG			-65.012	25.111	18.538	1.00	63.57
13035	0	ARG			-65.839	25.345	17.660	1.00	63.20
13036	N	ILE		122	-64.598	23.890	18.855	1.00	62.51
13037	CA			122	-65.208	22.702	18.308	1.00	61.37
13038	CB			122	-64.399	21.478	18.736	1.00	61.26
13039	CG1 CD1			122	-62.913	21.829	18.716	1.00	60.66
				122	-62.009	20.698	19.115	1.00	60.52
13041	CG2 C	ILE		122 122	-64.685	20.295	17.815 18.928	1.00	61.13
13042					-66.597				60.55
13043	O	ILE		122 123	-66.759 -67.604	23.084	20.080 18.174	1.00	60.58 59.69
	CA	PRO		123					
13045 13046	CA			123	-68.977 -69.817	22.310	18.676 17.426	1.00	59.11
13046	CB	PRO	C	123	-69.81/	22.019	1/.426	1.00	J8.99

FIGURE 3 IV

A	В	С	D	Е	F	G	Н	I	J
13047	CG	PRO	С	123	-68.870	22.088	16.277	1.00	59.33
13048	CD	PRO	С	123	-67.523	21.724	16.813	1.00	59.59
13049	C	PRO	С	123	-69.231	21.228	19.706	1.00	58.59
13050	0	PRO		123	-68.406	20.341	19.924	1.00	58.31
13051	N	ASN		124	-70.373	21.325	20.363	1.00	58.45
13052	CA	ASN		124	-70.813	20.269	21.245	1.00	58.10
13053	CB	ASN		124	-71.924	20.760	22.162	1.00	58.65
13054	CG	ASN		124	-71.466	21.851	23.095	1.00	59.63
13055	OD1	ASN		124	-70.567	21.649	23.906	1.00	59.75
13056	ND2	ASN		124	-72.091	23.019	22.990	1.00	64.70
13057	C	ASN		124	-71.344	19.177	20.333	1.00	57.46
13058	0	ASN		124	-71.618	19.433	19.163	1.00	57.30
13059	N	ASN		125 125	-71.480 -71.981	17.969	20.863	1.00	56.89 56.19
13060 13061	CA CB	ASN		125	-73.430	16.833 17.064	20.094 19.680	1.00	56.17
13062	CG	ASN		125	-74.289	17.504	20.846	1.00	56.48
13062	OD1	ASN		125	-74.233	18.551	20.798	1.00	56.88
13064	ND2	ASN		125	-74.284	16.710	21.915	1.00	56.45
13065	C	ASN		125	-71.098	16.504	18.900	1.00	55.61
13066	ŏ	ASN		125	-71.574	16.143	17.833	1.00	55.57
13067	N	THR		126	-69.797	16.644	19,100	1.00	55.23
13068	CA	THR	С	126	-68.830	16.329	18.073	1.00	54.84
13069	CB	THR	С	126	-67.497	17.039	18.363	1.00	54.72
13070	OG1	THR	С	126	-67.605	18.412	17.970	1.00	54.23
13071	CG2	THR		126	-66.397	16.517	17.471	1.00	54.53
13072	C	THR		126	-68.667	14.819	18.042	1.00	54.86
13073	0	THR		126	-68.356	14.185	19.050	1.00	54.70
13074	N	GLN		127	-68.894	14.240	16.877	1.00	54.60
13075	CA	GLN		127	-68.852	12.803	16.762	1.00	54.57
13076	CB	GLN		127	-69.593	12.375	15.503	1.00	54.28
13077	CG	GLN		127	-71.073	12.662	15.594	1.00	53.62
13078 13079	CD OE1	GLN GLN		127 127	-71.724 -72.550	12.794 11.963	14.246	1.00	52.92
13079	NE2	GLN	C	127	-72.550	13.837	13.865 13.509	1.00	52.32
13080	C	GLN		127	-67.428	12.273	16.775	1.00	54.94
13082	Ö	GLN		127	-67.185	11.131	17.157	1.00	54.88
13083	N	TRP	č	128	-66.482	13.113	16.381	1.00	55.24
13084	CA	TRP		128	-65.099	12.676	16.320	1.00	55.48
13085	CB	TRP	Ċ	128	-64.951	11.596	15.251	1.00	55.52
13086	CG	TRP	С	128	-63.633	10.934	15.266	1.00	56.77
13087	CD1	TRP		128	-62.667	11.014	14.313	1.00	58.86
13088	NE1	TRP	С	128	-61.577	10.259	14.677	1.00	59.53
13089	CE2	TRP	С	128	-61.828	9.677	15.890	1.00	58.49
13090	CD2	TRP	С	128	-63.115	10.080	16.289	1.00	57.94
13091	CE3	TRP		128	-63.611	9.612	17.509	1.00	58.71
13092	CZ3	TRP		128	-62.824	8.774	18.271	1.00	59.78
13093	CH2	TRP		128	-61.551	8.395	17.847	1.00	59.92
13094	CZ2	TRP		128	-61.035	8.835	16.660	1.00	59.64
13095	C	TRP		128	-64.156	13.823	15.992	1.00	55.45
13096	0	TRP		128	-64.452	14.658	15.136	1.00	55.42
13097	N	VAL	C	129	-63.018	13.843	16.671	1.00	55.32

FIGURE 3 IW

A	В	C	D	E	F	,	G	Н		1	J
13098	CA	VAL			-61.9		4.829	16.4			55.59
13099	CB	VAL			-61.9		5.905	17.5		1.00	55.60
13100	CG1	VAL			-61.7		5.267	18.8			55.55
13101	CG2	VAL			-60.8		6.940	17.2		1.00	56.02
13102	С	VAL			-60.6		4.095	16.3		1.00	55.72
13103	0	VAL			-60.4		3.047	16.9		1.00	55.44
13104	N	THR			-59.7		4.625	15.5		1.00	56.17
13105	CA	THR		130	-58.4		4.023	15.4		1.00	56.54
13106	CB	THR		130	-58.4		2.757	14.5		1.00	56.52
13107	OG1	THR			-57.1		2.217	14.3		1.00	56.16
13108	CG2	THR		130	-58.8		3.111	13.1		1.00	56.50
13109	С	THR			-57.3		5.001	14.8		1.00	56.96
13110	0	THR		130	-57.6		5.783	13.9		1.00	56.86
13111	N	TRP		131	-56.1		4.946	15.4		1.00	57.31
13112	CA	TRP		131	-55.0		5.785	15.0			57.40
13113	CB	TRP		131	-53.9		5.760	16.1		1.00	57.50
13114	CG	TRP		131	-54.3		6.396	17.4		1.00	58.30
13115	CD1	TRP		131	-54.4		5.762	18.6		1.00	58.41
13116	NE1	TRP		131	-54.8		6.681	19.6		1.00	58.17
13117	CE2	TRP		131	-54.8		7.934	19.0		1.00	58.67
13118	CD2	TRP		131	-54.5		7.793	17.7		1.00	58.57
13119	CE3	TRP		131	-54.4		8.946	16.9		1.00	58.81
13120	CZ3	TRP		131	-54.7		0.166	17.4		1.00	58.54
13121	CH2	TRP		131	-55.0		0.273	18.8		1.00	59.18
13122	CZ2	TRP		131	-55.0		9.173	19.6			59.24
13123	С	TRP		131	-54.4		5.275	13.7		1.00	57.38
13124	0	TRP		131	-54.5		4.082	13.4		1.00	56.87
13125	N	SER		132	-53.8		6.188	13.0		1.00	57.38
13126	CA	SER		132	-53.0		5.789	11.8		1.00	57.68
13127	CB	SER		132	-52.6		7.005	11.0		1.00	57.84
13128	OG	SER		132	-52.4		8.182	11.7		1.00	58.32
13129	С	SER		132	-51.8		5.095	12.4		1.00	57.53
13130	0	SER		132	-51.4		5.430	13.5		1.00	57.64
13131	N			133	-51.2		4.111	11.7		1.00	57.57
13132	CA	PRO		133	-50.1		3.365	12.2			57.76
13133	CB	PRO		133	-49.7		2.509	11.0		1.00	57.70
13134	CG	PRO		133	-50.9		2.317	10.3		1.00	57.42
13135	CD	PRO		133	-51.7		3.626	10.4		1.00	57.16
13136	С	PRO		133	-48.9		4.279	12.7		1.00	57.88
13137	0	PRO		133	-48.1		3.874	13.5		1.00	57.68
13138	N	VAL		134	-48.9		5.491	12.1		1.00	57.83
13139	CA	VAL		134	-47.9		6.480	12.6		1.00	57.77
13140	CB	VAL	С	134	-46.6		6.463	11.7		1.00	57.86
13141	CG1	VAL			-45.9		5.112	11.8		1.00	58.17
13142	CG2	VAL		134	-47.0		6.790	10.3		1.00	58.15
13143	C	VAL		134	-48.5		7.867	12.5		1.00	57.57
13144	0	VAL		134	-49.6		8.063	12.0		1.00	57.41
13145	N	GLY		135	-47.9		8.829	13.2		1.00	57.66
13146	CA	GLY		135	-48.4		0.169	13.3		1.00	57.49
13147	C	GLY		135	-49.5		0.207	14.3		1.00	57.41
13148	0	GLY	С	135	-49.4	12 1	9.628	15.4	15	1.00	57.15

FIGURE 3 IX

A	В	С	D	E		F	G	H	I	J
13149	N	HIS			-50.		20.865	14.020		57.40
13150	CA	HIS		136	-51.		20.985	14.958	1.00	57.21
13151	CB			136	-51.		22.047	16.021		57.41
13152	CG			136	-51.		23.405	15.453		57.87
13153		HIS			-50.		24.059	15.629	1.00	
13154	CE1			136	-50.		25.231	15.020	1.00	59.02
13155	NE2	HIS		136	-51.		25.359	14.452	1.00	59.14
13156		HIS		136	-51.		24.229	14.707	1.00	58.12
13157	С	HIS		136	-53.		21.319	14.266	1.00	57.18
13158	0	HIS			-53.		22.003	14.832	1.00	56.92
13159	N	LYS		137	-53.		20.863	13.032		57.03
13160	CA	LYS			-54.		21.054	12.380		56.76
13161	CB	LYS		137	-54.		20.687	10.901		57.13
13162	CG	LYS		137	-53.		21.525	10.120		57.71
13163	CD	LYS			-52.		20.632	9.315	1.00	
13164	CE	LYS			-53.		20.322	7.953	1.00	59.49
13165	NZ	LYS			-52.		21.354	6.968	1.00	60.71
13166	С	LYS		137	-55.		20.127	13.105	1.00	56.27
13167	0	LYS		137	-55.		19.210	13.814	1.00	56.04
13168	N	LEU			-56.		20.364	12.937	1.00	55.81
13169	CA	LEU			-57.		19.530	13.597	1.00	55.19
13170	CB	LEU			-58.		20.289	14.789	1.00	55.17
13171	CG			138	-58.		19.443	16.051	1.00	56.07
13172	CD1	LEU		138	-57.		18.247	15.967		56.68
13173	CD2	LEU		138	-58.		20.259	17.306	1.00	55.13
13174	С	LEU			-58.		19.111	12.630		54.43
13175	0	LEU			-59.		19.938	11.905	1.00	54.06
13176	N	ALA			-59.		17.819	12.608	1.00	53.92
13177	CA	ALA			-60.		17.307	11.824	1.00	53.53
13178	CB	ALA			-59.		16.214	10.843	1.00	53.27
13179	C	ALA			-61.		16.761	12.790	1.00	53.15
13180	0	ALA			-60.		15.958	13.665	1.00	
13181	N	TYR			-62.		17.225	12.656		53.01
13182	CA	TYR			-63.		16.731	13.504		52.78
13183	CB	TYR		140	-63.		17.665	14.700		53.01
13184	CG	TYR			-64.		19.026	14.342	1.00	52.54
13185	CD1	TYR			-65.		19.241	14.228	1.00	52.06
13186	CE1	TYR			-66.		20.492	13.904	1.00	51.90
13187	CZ			140	-65.		21.552	13.696	1.00	51.95
13188	OH	TYR			-65.		22.805	13.368	1.00	50.71
13189	CE2	TYR		140	-64.		21.359	13.814	1.00	51.61
13190	CD2	TYR		140	-63.		20.102	14.136	1.00	52.80
13191	C			140	-64.		16.535	12.718		52.60
13192 13193	O N	TYR			-65. -65.		17.186	11.698	1.00	
							15.628	13.208	1.00	52.44
13194 13195	CA	VAL		141	-67.		15.354	12.574	1.00	51.54
	CB				-67.					
13196 13197	CG1 CG2	VAL		141 141	-66. -68.		13.422	11.339	1.00	50.66
13197	C	VAL		141			15.835			
13198	0	VAL			-68. -68.		15.835	13.466 14.663		51.43
13133	U	VAL	C	141	-88-	TAD	15.55/	14.003	1.00	OI.09

FIGURE 3 IY

A	В	С	D	E		F	G	H		I	J
13200	N	TRP				69.103	16.572	12.			51.26
13201	CA	TRP		142		70.212	17.114	13.		1.00	51.37
13202	CB	TRP		142		69.836	18.493	14.		1.00	51.31
13203	CG	TRP		142		70.943	19.180	14.			50.43
13204	CD1	TRP		142		71.326	18.997	16.		1.00	49.84
13205	NE1	TRP		142		72.393	19.809	16.		1.00	49.98
13206	CE2	TRP		142		72.717	20.540	15.		1.00	50.22
13207	CD2	TRP		142		71.823	20.165	14.		1.00	50.21
13208	CE3	TRP		142		71.950	20.771	13.		1.00	51.31
13209	CZ3	TRP		142		72.947	21.722	12.		1.00	51.29
13210	CH2	TRP		142		73.819	22.069	13.		1.00	51.73
13211	CZ2	TRP		142		73.722	21.490	15.		1.00	50.71
13212	C	TRP		142		71.474	17.190	12.		1.00	51.49
13213	0	TRP		142		71.536	17.924	11.		1.00	51.84
13214	N	ASN		143		72.488	16.433	13.		1.00	51.64
13215	CA	ASN		143		73.736	16.351	12.		1.00	51.37
13216	CB	ASN				74.291	17.737	12.		1.00	51.75
13217	CG	ASN		143		75.197	18.258	13.		1.00	52.46
13218	OD1	ASN		143		75.867	19.277	13.		1.00	53.41
13219	ND2	ASN		143		75.230	17.565	14.		1.00	53.62
13220	С	ASN		143		73.513	15.575	11.		1.00	51.06
13221	0	ASN		143		74.200	15.785	10.		1.00	50.49
13222	N	ASN		144		72.523	14.691	11.		1.00	51.08
13223	CA	ASN		144		72.202	13.797	10.		1.00	51.15
13224	CB	ASN		144		73.462	13.126		555	1.00	50.84
13225	CG	ASN		144		73.999	12.047	10.		1.00	50.29
13226		ASN		144		74.584	11.063	10.		1.00	50.27
13227	ND2	ASN		144		73.805	12.230	11.		1.00	48.07
13228	С	ASN		144		71.404	14.447		973	1.00	51.59
13229	0	ASN		144		71.328	13.904		866	1.00	51.44
13230	N	ASP		145		70.813	15.604		260	1.00	51.81
13231	CA	ASP		145		69.983	16.296		283	1.00	52.26
13232	CB	ASP		145		70.640	17.601		815	1.00	52.15
13233	CG	ASP		145		71.764	17.362		811	1.00	50.96
13234		ASP		145		72.810	18.029		926	1.00	50.59
13235	OD2	ASP		145		71.699	16.526		884	1.00	48.94
13236	С	ASP		145		68.578	16.547		819	1.00	52.86
13237	0	ASP		145		68.357	16.618	10.		1.00	52.66
13238	N			146		67.622	16.666		908	1.00	53.67
13239	CA	ILE		146		66.237	16.889		285	1.00	53.87
13240	CB	ILE	С	146		65.327	16.195		286	1.00	53.95
13241	CG1	ILE		146		65.826	14.767		057	1.00	53.11
13242	CD1	ILE		146		64.983	13.990		120	1.00	52.39
13243	CG2			146		63.868	16.250		748	1.00	53.60
13244	C			146		65.895	18.368		334	1.00	54.42
13245	0	ILE		146		66.372	19.153		528	1.00	54.37
13246	N	TYR		147		65.086	18.742		311	1.00	55.14
13247	CA	TYR		147		64.598	20.102		414	1.00	55.88
13248	CB	TYR		147		65.287	20.852	10.		1.00	55.87
13249	CG	TYR		147		66.776	21.024	10.		1.00	55.84
13250	CD1	TYR	С	147	-	67.291	22.200	9.	819	1.00	54.69

FIGURE 3 IZ

A	В	C	D	E		F		G		H	I	J
13251	CE1	TYR		147	-6	8.644	22	.366	۵	.628	1.00	54.24
13252	CZ	TYR		147		9.512		.345		.957	1.00	55.37
13253	OH	TYR		147		0.872		.513		.764	1.00	55.23
13254	CE2	TYR		147		9.028		.162		.489	1.00	55.28
13255	CD2	TYR		147		7.667		.007		.679	1.00	55.21
13256	C C	TYR		147		3.093		.057		.630	1.00	56.38
13256	Ö					2.556		.073			1.00	56.37
13257				147						.150		
13258	N	VAL		148		2.406		.106		.192	1.00	57.10
	CA	VAL		148		0.964		.201		.402	1.00	57.64
13260	CB			148		0.166		.037		.104	1.00	57.56
13261	CG1	VAL		148		8.687		.228		.389	1.00	57.70
13262	CG2	VAL		148		0.425		.678		.478	1.00	57.68
13263	C	VAL		148		0.570		.533		.033	1.00	57.92
13264	0	VAL		148		0.899		.598		.516	1.00	58.05
13265	N	LYS		149		9.891		.464		.170	1.00	58.25
13266	CA	LYS		149		9.353		.654		.792	1.00	58.62
13267	CB	LYS				9.876		.826		.220	1.00	58.69
13268	CG	LYS		149		1.085		.741		.265	1.00	58.34
13269	CD	LYS				1.901		.600	14	.520	1.00	59.13
13270	CE	LYS		149		3.294		.159		.274	1.00	60.03
13271	NZ	LYS		149		4.079		.410		.511	1.00	60.87
13272	C	LYS		149		7.832		.592		.721	1.00	58.96
13273	0	LYS		149		7.202		747		.369	1.00	58.81
13274	N	ILE		150		7.257		.462		.887	1.00	59.42
13275	CA	ILE		150		5.812		.515		.680	1.00	59.81
13276	CB	ILE	С	150		5.467		.272		.379	1.00	60.08
13277	CG1	ILE		150		6.066		.556		.159	1.00	59.91
13278	CD1	ILE		150		5.435		.217		.867	1.00	59.08
13279	CG2	ILE		150		3.949		.425		.212	1.00	60.27
13280	С	ILE		150		5.180		.174		.893	1.00	60.09
13281	0	ILE		150		4.076		.829		.301	1.00	60.07
13282	N	GLU		151		5.894		.127		.473	1.00	60.72
13283	CA	GLU		151		5.458		.743		.719	1.00	61.36
13284	CB	GLU		151		4.933		.171		.509	1.00	61.42
13285	CG	GLU		151		3.838		.331		.458	1.00	61.94
13286	CD	GLU		151		2.553		.587		.785	1.00	62.45
13287	OE1	GLU		151		2.356		.199		.953	1.00	62.15
13288	OE2	GLU		151		1.733		.386		.860	1.00	63.16
13289	С	GLU		151		6.628		.732		.703	1.00	61.64
13290	0	GLU		151		7.732		.179		.380	1.00	61.23
13291	N	PRO		152		6.381		.193		.892	1.00	62.04
13292	CA	PRO		152		7.387		.113		.954	1.00	62.45
13293	CB	PRO		152		6.541		.854		.196	1.00	62.32
13294	CG	PRO		152		5.401		.044		.678	1.00	62.48
13295	CD	PRO		152		5.102		.586		.300	1.00	62.14
13296	С	PRO		152		8.233		.378		.136	1.00	62.92
13297	0	PRO		152		9.417		.267		.461	1.00	62.99
13298	N	ASN		153		7.654		.558		.945	1.00	63.19
13299	CA	ASN		153		8.444		.781		.090	1.00	63.80
13300	CB	ASN		153		7.665		.896		.815	1.00	63.84
13301	CG	ASN	С	153	-5	6.339	31	.231	17	.150	1.00	64.51

FIGURE 3 JA

A	В	C	D	Е		F		G		H	I	J
13302	OD1	ASN	c	153	-5	5.695	3.2	2.218	17	.507	1.00	64.68
13303	ND2	ASN		153		5.921		.409		.188	1.00	
13304	C	ASN		153		9.087		.284		.790		63.87
13305	0	ASN		153		9.859		.238		.806	1.00	64.01
13306	N	LEU		154		8.790		.616		.679	1.00	63.96
13307	CA	LEU		154		9.337		9.993		.376	1.00	64.19
13308	CB	LEU		154		8.359		.605		.259	1.00	64.36
13309	CG	LEU		154		7.491		702		.634	1.00	64.94
13310	CD1	LEU		154		7.018		.723		.664	1.00	66.40
13311	CD2	LEU		154		6.308		0.091		.902	1.00	66.34
13312	C	LEU		154		0.701		3.373		.075	1.00	64.11
13313	ō	LEU		154		1.042		3.318		.606	1.00	63.97
13314	N	PRO		155		1.485		0.052		.238	1.00	64.06
13315	CA	PRO		155		2.754		.510		.750	1.00	64.03
13316	CB	PRO		155		3.240		.578		.765	1.00	64.17
13317	CG	PRO	C	155		2.588	31	.833		.221	1.00	64.13
13318	CD	PRO		155		1.239		.415		.738	1.00	64.18
13319	С	PRO	С	155	-6	2.516	28	3.199		.016	1.00	63.94
13320	0	PRO	С	155	-6	1.470	28	3.006	10	.389	1.00	63.61
13321	N	SER		156	-6	3.501	27	7.311	11	.084	1.00	63.72
13322	CA	SER	С	156	-6	3.365	25	.985	10	.508	1.00	63.40
13323	CB	SER	С	156	-6	4.247	25	800.	11	.278	1.00	63.45
13324	OG	SER		156		3.555		3.796		.492	1.00	64.22
13325	C	SER		156		3.694		.920		.018	1.00	62.88
13326	0	SER	С	156	-6	4.485	26	5.711	8	.512	1.00	62.47
13327	N	TYR	С	157	-6	3.065	24	1.970	8	.330	1.00	62.46
13328	CA	TYR	С	157	-6	3.328	24	1.714	6	.918	1.00	62.31
13329	CB	TYR	С	157	-6	2.032	24	1.383	6	.172	1.00	62.70
13330	CG	TYR	С	157	-6	1.109		.556	5	.981	1.00	63.80
13331	CD1	TYR	С	157	-6	1.433	26	5.574	5	.099	1.00	64.98
13332	CE1	TYR	С	157	-6	0.595		7.657	4	.919	1.00	66.09
13333	CZ	TYR	С	157	-5	9.418	27	7.732	5	.627	1.00	66.66
13334	OH	TYR	С	157	-5	8.588	28	3.810	5	.444	1.00	67.19
13335	CE2	TYR	С	157	-5	9.069	26	5.729	6	.512	1.00	66.54
13336	CD2	TYR	С	157	-5	9.916	25	.649	6	.685	1.00	64.83
13337	С	TYR	С	157	-6	4.270	23	3.522	6	.807	1.00	61.61
13338	0	TYR	С	157		3.955		.428		.271	1.00	61.25
13339	N	ARG	С	158	-6	5.419	23	3.726	6	.181	1.00	60.98
13340	CA	ARG	С	158		6.393		.647		.057	1.00	60.38
13341	CB	ARG	С	158	-6	7.811	23	3.194	6	.220	1.00	60.32
13342	CG	ARG	С	158	-6	8.887	22	2.148	6	.067	1.00	60.13
13343	CD	ARG	С	158		0.289		2.689	6	.231	1.00	60.55
13344	NE	ARG	С	158		1.293		1.657		.004	1.00	59.93
13345	CZ	ARG		158		2.528		1.705		.481	1.00	60.15
13346		ARG		158		3.379		.719		.216	1.00	59.78
13347	NH2	ARG	С	158		2.918		2.741		.218	1.00	58.83
13348	С	ARG		158		6.266		.865		.749	1.00	59.75
13349	0	ARG		158		6.643		2.354		.693	1.00	59.93
13350	N	ILE	С	159		5.749		.643		.838	1.00	59.20
13351	CA	ILE	С	159		5.558		775		.671	1.00	58.45
13352	CB	ILE	С	159	-6	4.607	18	3.600	4	.017	1.00	58.57

FIGURE 3 JB

A	В	C	D	E	F	G	H	I	J
13353	CG1	TTE	0	159	-63.287	19.122	4.592	1.00	58.50
13354	CD1	ILE		159	-63.306	19.304	6.083	1.00	58.48
13355	CG2							1.00	
13355	C			159 159	-64.353 -66.866	17.719 19.241	2.800		58.49 57.81
13357	0			159	-67.053	19.271	1.866	1.00	58.16
13358	N	THR			-67.771	18.759	3.936	1.00	57.01
13359	CA	THR		160	-69.032	18.178	3.450	1.00	56.14
13360	CB	THR		160	-69.153	16.680	3.827	1.00	56.00
13361	OG1	THR		160	-69.057	16.522	5.250	1.00	56.18
13362	CG2	THR			-67.977	15.890	3.296	1.00	55.80
13363	С	THR		160	-70.298	18.921	3.886	1.00	55.68
13364	0			160	-70.305	19.655	4.873	1.00	55.61
13365	N	TRP		161	-71.375	18.694	3.142	1.00	54.98
13366	CA	TRP		161	-72.648	19.349	3.390	1.00	54.68
13367	CB	TRP		161	-72.805	20.553	2.461	1.00	55.08
13368	CG	TRP		161	-71.580	21.354	2.378	1.00	55.56
13369	CD1	TRP		161	-70.367	20.951	1.897	1.00	55.52
13370	NE1	TRP		161	-69.459	21.977	2.003	1.00	55.96
13371	CE2	TRP		161	-70.081	23.064	2.562	1.00	56.02
13372	CD2	TRP		161	-71.418	22.701	2.811	1.00	55.85
13373	CE3	TRP		161	-72.274	23.648	3.389	1.00	56.89
13374	CZ3	TRP		161	-71.779	24.904	3.690	1.00	57.47
13375	CH2	TRP		161	-70.448	25.234	3.428	1.00	57.78
13376	CZ2	TRP		161	-69.582	24.329	2.869	1.00	57.05
13377	C	TRP		161	-73.802	18.401	3.137	1.00	53.98
13378	0	TRP		161	-74.955	18.812	3.138	1.00	53.75
13379	N	THR		162	-73.489	17.135	2.903	1.00	53.53
13380	CA	THR		162	-74.520	16.139	2.644	1.00	52.88
13381	CB	THR			-74.123	15.294	1.420	1.00	53.01
13382	OG1	THR		162	-72.734	14.954	1.507	1.00	52.69
13383	CG2	THR		162	-74.176	16.134	0.155	1.00	53.59
13384	C	THR		162	-74.789	15.248	3.869	1.00	52.40
13385	0	THR		162	-75.542	14.287	3.792	1.00	52.03
13386	N	GLY			-74.169	15.575	5.000	1.00	52.20
13387	CA	GLY		163	-74.321	14.780	6.213	1.00	51.36
13388	С	GLY		163	-75.720	14.812	6.799	1.00	50.71
13389	0	GLY		163	-76.276	15.893	7.019	1.00	50.76
13390	N	LYS		164	-76.288	13.632	7.051	1.00	49.94
13391	CA	LYS			-77.642	13.528	7.599	1.00	49.15
13392	CB	LYS		164	-78.682	13.626	6.478	1.00	49.20
13393	CG	LYS		164	-80.096	13.243	6.890	1.00	50.16
13394	CD	LYS		164	-81.170	14.082	6.179	1.00	52.16
13395	CE	LYS	С	164	-81.338	15.453	6.868	1.00	54.24
13396	NZ	LYS			-82.688	16.088	6.672	1.00	
13397	C	LYS	С	164	-77.888	12.290	8.495	1.00	48.51
13398	0	LYS		164	-77.695	11.140	8.082	1.00	47.95
13399	N	GLU		165	-78.326	12.559	9.723	1.00	47.71
13400	CA	GLU		165	-78.614	11.536	10.727	1.00	47.19
13401	CB	GLU		165	-79.580	12.099	11.776	1.00	47.47
13402	CG	GLU		165	-79.630	11.332	13.092	1.00	49.01
13403	CD	GLU	С	165	-79.997	12.232	14.260	1.00	51.41

FIGURE 3 JC

A	В	С	D	Е	I	?	G	H	1	J
13404	OE1	GLU	c	165	-81.1	175	12.615	14.381	1.00	52.87
13405	OE2	GLU		165	-79.1		12.589	15.048		53.74
13406	C	GLU		165	-79.1		10.243	10.155		46.25
13407	ō	GLU		165	-80.2		10.249	9.504		45.87
13408	N	ASN		166	-78.4		9.141	10.423		45.49
13409	CA	ASN		166	-78.8		7.800	9.999		45.03
13410	CB	ASN		166	-80.2		7.395	10.612		45.31
13411	CG	ASN		166	-80.3		7.640	12.103		45.21
13412	OD1	ASN		166	-79.4		7.285	12.858		44.24
13413	ND2	ASN		166	-81.4		8.251	12.538		45.18
13414	С	ASN	С	166	-78.9	982	7.583	8.501		44.76
13415	0	ASN	С	166	-79.3	366	6.503	8.062	1.00	44.58
13416	N	ILE	С	167	-78.6	543	8.596	7.710		44.44
13417	CA	ILE	С	167	-78	720	8.461	6.262	1.00	43.81
13418	CB	ILE	С	167	-79.5	62	9.586	5.680	1.00	43.95
13419	CG1	ILE	С	167	-81.0	10	9.436	6.156	1.00	43.48
13420	CD1	ILE	С	167	-81.6	542	8.087	5.791	1.00	43.86
13421	CG2	ILE	С	167	-79.4	182	9.575	4.163	1.00	42.86
13422	С	ILE	С	167	-77.3	349	8.393	5.590	1.00	43.65
13423	0	ILE	С	167	-77.0)22	7.423	4.909	1.00	43.28
13424	N	ILE	С	168	-76.5	552	9.438	5.756	1.00	43.61
13425	CA	ILE	С	168	-75.2	218	9.420	5.181	1.00	43.23
13426	CB	ILE	С	168	-75.1	126	10.230	3.843	1.00	43.69
13427	CG1	ILE	С	168	-74.6		11.666	4.102		42.79
13428	CD1	ILE	С	168	-73.2	217	11.872	3.887	1.00	42.78
13429	CG2	ILE	С	168	-76.4		10.127	2.985		42.05
13430	С	ILE	С	168	-74.1		9.881	6.197		43.21
13431	0	ILE	С	168	-74.3	377	10.860	6.930		42.93
13432	N	TYR		169	-73.0		9.156	6.236		42.75
13433	CA	TYR		169	-72.0		9.450	7.180		42.82
13434	CB	TYR		169	-71.7		8.229	8.064		43.22
13435	CG	TYR		169	-72.9		7.570	8.671		44.10
13436	CD1	TYR		169	-73.8		6.936	7.870		45.21
13437	CE1	TYR		169	-74.9		6.331	8.416		46.11
13438	CZ	TYR		169	-75.1		6.339	9.788		46.33
13439	OH	TYR		169	-76.2		5.719	10.311		46.34
13440	CE2	TYR		169	-74.2		6.959	10.615		45.49
13441	CD2	TYR		169	-73.1		7.570	10.051		45.20
13442	С	TYR		169	-70.7		9.893	6.491		42.51
13443	0	TYR		169	-70.1		9.170	5.659		41.77
13444	N	ASN		170	-70.2		11.077	6.872		42.19
13445	CA	ASN		170	-68.9		11.592	6.377		42.04
13446	CB	ASN		170	-69.1		13.017	5.853		41.71
13447	CG	ASN		170	-70.0		13.079	4.609		42.53
13448		ASN		170	-69.8		12.350	3.646		42.46
13449	ND2	ASN		170	-71.0		13.941	4.631		41.76
13450	С	ASN		170	-67.9		11.547	7.482		42.00
13451	0	ASN		170	-68.0		12.198	8.515		42.30
13452	N	GLY		171	-66.8		10.759	7.273		41.64
13453	CA	GLY		171	-65.8		10.670	8.236		41.13
13454	С	GLY	C	171	-66.0	มวช	9.727	9.399	1.00	40.95

FIGURE 3 JD

A	В	С	D	E	F	G	H	I	J
13455	0	GLY	С	171	-65.154	9.461	10.193	1.00	40.62
13456	N	ILE		172	-67.286	9.228	9.516		40.57
13457	CA	ILE		172	-67.624	8.289	10.578	1.00	39.79
13458	CB	ILE	c	172	-68.451	8.973	11.661	1.00	39.90
13459	CG1	ILE		172	-69.562	9.796	11.022	1.00	39.26
13460	CD1	ILE		172	-70.532	10.354	12.003	1.00	38.29
13461	CG2	ILE		172	-67.563	9.856	12.540	1.00	39.02
13462	C C	ILE		172	-68.404	7.136	9.996	1.00	39.77
13463		ILE		172	-69.107	7.300	9.002	1.00	39.81
13463	O N	THR		173	-68.276	5.971	10.619	1.00	39.50
						4.773			39.42
13465	CA	THR		173	-68.964		10.169	1.00	
13466	CB	THR		173	-68.200	3.524	10.633	1.00	39.64
13467	OG1	THR		173	-67.854	3.665	12.014	1.00	40.82
13468	CG2	THR		173	-66.831	3.421	9.955	1.00	39.55
13469	С	THR		173	-70.394	4.703	10.709	1.00	39.41
13470	0	THR		173	-70.742	5.398	11.666	1.00	39.69
13471	N	ASP		174	-71.218	3.875	10.068	1.00	39.14
13472	CA	ASP		174	-72.564	3.584	10.531	1.00	39.00
13473	CB	ASP		174	-73.484	3.230	9.355	1.00	39.09
13474	CG	ASP		174	-73.069	1.954	8.662	1.00	38.75
13475	OD1	ASP		174	-73.925	1.261	8.079	1.00	39.17
13476	OD2	ASP		174	-71.899	1.549	8.661	1.00	39.00
13477	С	ASP		174	-72.423	2.377	11.458	1.00	38.90
13478	0	ASP		174	-71.294	1.956	11.755	1.00	38.94
13479	N	TRP		175	-73.548	1.788	11.874		38.32
13480	CA	TRP		175	-73.495	0.669	12.826	1.00	37.39
13481	CB	TRP		175	-74.881	0.130	13.249	1.00	36.66
13482	CG	TRP		175	-74.755	-0.781	14.444	1.00	34.76
13483	CD1	TRP		175	-74.894	-0.437	15.767	1.00	33.61
13484	NE1	TRP		175	-74.656	-1.529	16.570	1.00	32.83
13485	CE2	TRP		175	-74.338	-2.603	15.781	1.00	33.34
13486	CD2	TRP		175	-74.393	-2.168	14.435	1.00	33.17
13487	CE3	TRP		175	-74.102	-3.089	13.426	1.00	33.10
13488	CZ3	TRP		175	-73.784	-4.403	13.778	1.00	35.95
13489	CH2	TRP		175	-73.749	-4.808	15.131		33.36
13490	CZ2	TRP	С	175	-74.021	-3.923	16.139	1.00	33.92
13491	С	TRP	С	175	-72.602	-0.481	12.405	1.00	37.52
13492	0	TRP	С	175	-71.697	-0.811	13.137	1.00	37.46
13493	N	VAL	С	176	-72.860	-1.120	11.265	1.00	38.02
13494	CA	VAL	С	176	-72.031	-2.269	10.873	1.00	38.72
13495	CB	VAL	С	176	-72.546	-3.046	9.649	1.00	38.61
13496	CG1	VAL	С	176	-72.889	-2.113	8.498	1.00	38.51
13497	CG2	VAL	С	176	-73.685	-3.927	10.027	1.00	40.15
13498	C	VAL	С	176	-70.568	-1.972	10.591	1.00	38.82
13499	0	VAL	С	176	-69.719	-2.795	10.886	1.00	38.67
13500	N	TYR	С	177	-70.277	-0.833	9.979	1.00	39.42
13501	CA	TYR	С	177	-68.887	-0.495	9.698	1.00	40.38
13502	CB	TYR	С	177	-68.762	0.747	8.802	1.00	40.37
13503	CG	TYR	С	177	-68.581	0.387	7.356	1.00	42.38
13504	CD1	TYR		177	-69.664	0.341	6.491	1.00	42.20
13505	CE1	TYR	С	177	-69.499	-0.006	5.164		43.28

FIGURE 3 JE

A	В	С	D	Е	F	G	Н	I	J
13506	CZ	TYR	С	177	-68.245	-0.330	4.690	1.00	44.13
13507	OH	TYR	С	177	-68.083	-0.679	3.366	1.00	44.97
13508	CE2	TYR		177	-67.152	-0.300	5.528	1.00	44.63
13509	CD2	TYR			-67.323	0.054	6.857	1.00	43.88
13510	C	TYR		177	-68.126	-0.296	10.991	1.00	40.39
13511	0	TYR		177	-66.966	-0.692	11.092	1.00	40.42
13512	N	GLU		178	-68.784	0.323	11.973	1.00	40.72
13513	CA	GLU		178	-68.159	0.550	13.264	1.00	40.73
13514	CB	GLU		178	-69.032	1.401	14.184	1.00	40.68
13515	CG	GLU		178	-68.530	1.344	15.622	1.00	41.20
13516	CD	GLU		178	-69.296	2.227	16.588	1.00	42.64
13517	OE1	GLU		178	-70.257	2.912	16.159	1.00	43.45
13518	OE2	GLU		178	-68.924	2.237	17.785	1.00	41.11
13519	C	GLU		178	-67.864	-0.749	13.985	1.00	41.01
13520 13521	O N	GLU		178 179	-66.825 -68.783	-0.888 -1.701	14.632 13.879	1.00	41.00
13521	CA	GLU		179	-68.669	-2.926	14.658	1.00	40.73
13522	CB	GLU		179	-70.059	-3.363	15.140	1.00	40.70
13524	CG	GLU		179	-70.033	-4.669	15.140	1.00	40.40
13525	CD	GLU		179	-69.334	-4.596	17.216	1.00	39.94
13526	OE1	GLU		179	-68.845	-5.642	17.661	1.00	40.92
13527	OE2	GLU		179	-69.212	-3.498	17.796	1.00	40.49
13528	C	GLU		179	-67.987	-4.086	13.948	1.00	40.96
13529	Ö	GLU		179	-67.259	-4.848	14.577	1.00	40.57
13530	N	GLU		180	-68.210	-4.226	12.646	1.00	41.08
13531	CA	GLU		180	-67.698	-5.399	11.957	1.00	41.75
13532	CB	GLU		180	-68.853	-6.198	11.366	1.00	41.10
13533	CG	GLU		180	-69.966	-6.475	12.351	1.00	41.62
13534	CD	GLU	С	180	-69.577	-7.514	13.391	1.00	41.25
13535	OE1	GLU	С	180	-68.369	-7.684	13.650	1.00	41.50
13536	OE2	GLU	С	180	-70.482	-8.167	13.937	1.00	41.06
13537	C	GLU	С	180	-66.619	-5.186	10.895	1.00	42.58
13538	0	GLU		180	-65.956	-6.142	10.476	1.00	43.00
13539	N	VAL		181	-66.435	-3.958	10.445	1.00	43.43
13540	CA	VAL		181	-65.456	-3.729	9.398	1.00	43.85
13541	CB	VAL		181	-66.074	-3.018	8.188	1.00	44.18
13542	CG1	VAL		181	-64.996	-2.678	7.174	1.00	44.20
13543	CG2	VAL		181	-67.141	-3.893	7.557	1.00	43.81
13544	С	VAL		181	-64.269	-2.943	9.898	1.00	44.14
13545	0	VAL		181	-63.135	-3.408	9.816	1.00	44.39
13546	N	PHE		182	-64.519	-1.755	10.433	1.00	44.37
13547	CA			182	-63.422	-0.908	10.887	1.00	44.60
13548	CB	PHE		182	-63.721	0.567	10.595	1.00	44.50
13549	CG CD1	PHE	C	182	-63.745	0.919	9.124	1.00	45.31
13550 13551	CD1 CE1	PHE	C	182 182	-63.304 -63.321	0.026	8.165 6.829	1.00	45.26 45.23
13551	CEI	PHE	C	182	-63.321	1.585	6.829	1.00	45.23
13552	CE2	PHE	c	182	-64.227	2.489	7.358	1.00	45.85
13554	CD2	PHE	č	182	-64.200	2.469	8.707	1.00	45.64
13555	C	PHE		182	-63.093	-1.057	12.379	1.00	45.09
13556	ŏ	PHE		182	-62.014	-0.636	12.820	1.00	45.26
	-		-				0		

FIGURE 3 JF

A	В	C	D	E		F		G	E	i	I	J
13557	N	CED		183	-6/	4.010	_1	629	12	162	1 00	44.85
13558	CA	SER		183		3.802		710		602	1.00	44.77
13559	CB			183		2.708		716		966	1.00	
13560	OG			183		3.239		027		116	1.00	44.40
13561	C			183		3.430		338		129	1.00	44.82
13562	0			183		2.626		206		043		45.17
13563	N	ALA				4.012		690		541	1.00	45.06
13564	CA	ALA		184		3.747		049		981	1.00	45.29
13565	CB	ALA				2.417		538		442	1.00	45.24
13566	С	ALA		184		1.866		912		458	1.00	45.50
13567	0	ALA		184		5.577		504		544		44.92
13568	N	TYR				.025		095		050	1.00	45.78
13569	CA	TYR				5.040		035		623	1.00	45.98
13570	CB	TYR				5.378		986		762	1.00	45.75
13571	CG	TYR		185		7.643		790		544	1.00	44.28
13572	CD1	TYR		185		7.828		011		175		43.24
13573	CE1	TYR				3.987		731		997	1.00	42.97
13574	CZ	TYR		185		9.973		234		175	1.00	42.29
13575	OH			185		1.129		947		990	1.00	43.54
13576	CE2	TYR		185		9.808		042		532	1.00	42.00
13577	CD2	TYR				3.650		322		718	1.00	42.34
13578	C			185		.482		853		487	1.00	46.74
13579	0	TYR				5.169		132		500	1.00	46.83
13580	N			186		1.220		242		653	1.00	47.74
13581	CA	SER	С	186		3.517		880		700	1.00	48.47
13582	CB	SER	С	186	-62	2.090	7.	356	13.	178	1.00	48.70
13583	OG	SER	С	186	-61	1.384	8.	148	12.	229	1.00	49.39
13584	С	SER	С	186	-63	3.458	6.	498	11.	311	1.00	48.68
13585	0	SER	С	186	-63	3.246	5.	304	11.	143	1.00	49.06
13586	N	ALA	С	187	-63	3.661	7.	353	10.	323	1.00	49.12
13587	CA	ALA	С	187	-63	3.509	6.	983	8.	924	1.00	50.17
13588	CB	ALA	С	187	-64	1.866	6.	728	8.	260	1.00	49.98
13589	C	ALA	С	187	-62	2.778	8.	141	8.	255	1.00	50.51
13590	0	ALA	С	187		3.133	8.	573	7.	164	1.00	50.64
13591	N	LEU	С	188	-61	1.764	8.	644	8.	955	1.00	51.24
13592	CA	LEU	С	188	-60	0.936	9.	746	8.	491	1.00	51.93
13593	CB	LEU	С	188	-61	1.135	10.	969	9.	376	1.00	51.74
13594	CG	LEU	С	188	-62	2.347	11.	804	9.	026	1.00	51.76
13595	CD1	LEU	С	188	-62	2.507	12.	930	10.	028	1.00	52.13
13596	CD2	LEU	С	188	-62	2.173	12.	337	7.	622	1.00	52.08
13597	С	LEU	С	188	-59	9.482	9.	331	8.	573	1.00	52.48
13598	0	LEU			-59	9.059		751		570	1.00	52.33
13599	N	TRP	С	189	-58	3.719	9.	639		528	1.00	53.20
13600	CA	TRP	С		-57	7.304		285		481	1.00	53.81
13601	CB	TRP		189		7.094		045		615	1.00	53.83
13602	CG	TRP		189		7.881		857		072	1.00	54.47
13603	CD1	TRP		189		7.503		930		004	1.00	54.57
13604	NE1	TRP		189		3.490		986		159	1.00	53.87
13605	CE2	TRP		189		9.531		292		326	1.00	54.72
13606	CD2	TRP		189		9.182		468		629	1.00	54.66
13607	CE3	TRP		189		0.092		988		702		55.32

FIGURE 3 JG

A	В	С	D	Е		F	G		Н		Ι	J
13608	CZ3	TRP	c	189	_	61.297	6.330		5.504	1	. 00	54.99
13609	CH2	TRP		189		61.613	5.168		5.213			54.89
13610	CZ2	TRP		189		60.748	4.634		7.128			55.32
13611	C	TRP		189		56.453	10.440		5.952			54.18
13612	ō	TRP		189		56.533	10.799		5.775			53.89
13613	N	TRP		190		55.660	11.031		7.841		.00	54.56
13614	CA	TRP		190		54.733	12.091		7.479		.00	54.79
13615	CB	TRP		190		54.220	12.786		3.730		.00	54.74
13616	CG	TRP		190		55.093	13.804		9.370		.00	54.58
13617	CD1	TRP		190		55.765	13.672		.547		.00	54.42
13618	NE1	TRP		190		56.433	14.834		0.845		.00	53.90
13619	CE2	TRP		190		56.184	15.752		9.861			53.77
13620	CD2	TRP		190		55.332	15.139		3.921			53.97
13621	CE3	TRP		190		54.923	15.879		7.809		.00	54.28
13622	CZ3	TRP		190		55.374	17.181		7.672			54.18
13623	CH2	TRP	Ċ	190		56.215	17.763	8	3.628	1	.00	54.05
13624	CZ2	TRP		190		56.627	17.067		9.729			53.74
13625	C	TRP		190		53.514	11.461		5.835		.00	55.15
13626	0	TRP	С	190	_	53.066	10.405		7.266	1	.00	55.18
13627	N	SER	С	191	_	52.961	12.113		5.819		.00	55.91
13628	CA	SER	С	191		51.713	11.653		5.221	1	.00	56.59
13629	CB	SER	С	191	_	51.420	12.415	- 1	3.926	1	.00	56.56
13630	OG	SER		191		51.541	13.816		1.111		.00	
13631	C	SER		191		50.593	11.893		5.234		.00	57.42
13632	0	SER	С	191	-	50.714	12.750	•	7.118	1	.00	56.98
13633	N	PRO	С	192	_	49.512	11.133		5.110	1	.00	58.15
13634	CA	PRO	С	192	-	48.376	11.246	,	7.026	1	.00	59.14
13635	CB	PRO	С	192	_	47.262	10.537	- 6	5.268	1	.00	59.27
13636	CG	PRO	С	192	_	47.978	9.502		5.455	1	.00	58.36
13637	CD	PRO	С	192	-	49.300	10.101		5.082	1	.00	58.19
13638	C	PRO	С	192	-	48.002	12.701	•	7.273	1	.00	60.19
13639	0	PRO	С	192	-	47.788	13.104	8	3.415	1	.00	60.18
13640	N	ASN	С	193	-	47.952	13.480		5.198	1	.00	61.32
13641	CA	ASN	С	193	-	47.593	14.889		5.272	1	.00	62.17
13642	CB	ASN	С	193	-	47.418	15.438		1.862	1	.00	62.99
13643	CG	ASN	С	193	-	46.484	16.616	- 4	1.810	1	.00	65.90
13644	OD1	ASN	С	193	-	46.803	17.693		5.313	1	.00	68.50
13645	ND2	ASN	С	193		45.318	16.425	- 4	1.192	1	.00	72.02
13646	С	ASN	С	193		48.633	15.733		5.972		.00	61.82
13647	0	ASN	С	193	-	48.300	16.679		7.675	1	.00	61.97
13648	N	GLY	С	194	-	49.901	15.407	- 6	5.751	1	.00	61.60
13649	CA	GLY	С	194		50.994	16.172		7.315	1	.00	60.80
13650	C	GLY		194		51.556	17.052		5.222			60.44
13651	0			194		52.471	17.853		5.434			60.77
13652	N	THR		195		50.996	16.899		5.032			59.75
13653	CA	THR		195		51.421	17.694		3.897		.00	58.98
13654	CB	THR		195		50.386	17.572		2.761			59.11
13655	OG1	THR		195		49.064	17.669		3.310		.00	59.07
13656	CG2	THR		195		50.474	18.769		1.825		.00	59.07
13657	C	THR		195		52.790	17.214		3.434			58.49
13658	0	THR	С	195	-	53.727	18.007		3.310	1	.00	58.20

FIGURE 3 JH

A	В	С	D	E	F	G	H	I	J
13659	N	DUE	0	196	-52.90	0 15.90	7 3.201	1.00	57.69
13660	CA	PHE	c	196	-54.14			1.00	57.12
13661	CB	PHE		196	-53.84			1.00	57.33
13662	CG	PHE		196	-53.29			1.00	58.36
					-54.01			1.00	59.58
13663	CD1 CE1	PHE	C	196					
13664				196	-53.51			1.00	59.97
13665	CZ	PHE	С	196	-52.28			1.00	59.29
13666	CE2	PHE	С	196	-51.55			1.00	58.84
13667	CD2	PHE	С	196	-52.05			1.00	58.77
13668	С			196	-55.04			1.00	56.35
13669	0	PHE		196	-54.57			1.00	56.19
13670	N			197	-56.34			1.00	55.17
13671	CA	LEU		197	-57.32			1.00	
13672	CB	LEU		197	-58.17			1.00	54.23
13673	CG	LEU		197	-59.35			1.00	54.29
13674	CD1	LEU		197	-60.19			1.00	54.27
13675	CD2	LEU		197	-58.86			1.00	53.50
13676	С	LEU		197	-58.22			1.00	53.33
13677	0	LEU		197	-58.95			1.00	52.98
13678	N	ALA		198	-58.16			1.00	52.27
13679	CA	ALA		198	-58.99			1.00	51.25
13680	CB	ALA			-58.16			1.00	51.09
13681	С	ALA			-60.14			1.00	50.59
13682	0	ALA			-59.99			1.00	50.77
13683	N	TYR		199	-61.28			1.00	49.68
13684	CA	TYR		199	-62.43			1.00	48.67
13685	CB			199	-63.22			1.00	
13686	CG	TYR			-63.80			1.00	
13687	CD1	TYR			-65.07			1.00	48.03
13688	CE1	TYR			-65.61			1.00	
13689	CZ	TYR		199	-64.88			1.00	48.61
13690	OH	TYR		199	-65.41			1.00	
13691	CE2	TYR		199	-63.61			1.00	47.99
13692	CD2	TYR			-63.08			1.00	
13693	C	TYR		199	-63.34				48.19
13694	0	TYR		199	-63.39			1.00	47.72
13695	N	ALA			-64.07			1.00	47.53
13696	CA	ALA			-65.05			1.00	46.94
13697	CB	ALA			-65.05			1.00	46.49
13698	С	ALA			-66.41			1.00	
13699	0	ALA		200	-66.59			1.00	46.78
13700	N	GLN			-67.35			1.00	45.99
13701	CA	GLN			-68.71			1.00	45.83
13702	CB	GLN			-69.10				46.18
13703	CG	GLN			-70.53			1.00	47.72
13704	CD	GLN			-70.78			1.00	49.96
13705	OE1	GLN		201	-71.16			1.00	50.58
13706	NE2	GLN		201	-70.57			1.00	51.42
13707	С	GLN			-69.64			1.00	45.21
13708	0	GLN			-69.47				45.15
13709	N	PHE	С	202	-70.59	5 6.94	16 3.936	1.00	44.23

FIGURE 3 JI

13710	A	В	С	D	E	F	G	H	I	J
13711 CB PHE C 202 -71.336 5.064 5.352 1.00 42.94 13712 CG PHE C 202 -69.400 3.496 5.658 1.00 41.85 13713 CD PHE C 202 -69.400 3.496 5.658 1.00 41.85 13715 CZ PHE C 202 -67.306 3.996 6.219 1.00 39.69 13716 CZ PHE C 202 -67.306 3.996 6.219 1.00 39.69 13716 CZ PHE C 202 -67.323 5.076 6.256 1.00 40.28 13717 CD PHE C 202 -67.323 5.076 6.256 1.00 40.28 13718 C PHE C 202 -72.915 6.256 3.807 1.00 43.20 13719 O PHE C 202 -73.340 7.277 4.287 1.00 43.20 13720 N ASN C 203 -73.650 5.406 3.007 1.00 43.20 13721 CA ASN C 203 -75.214 5.928 1.292 1.00 43.29 13722 CB ASN C 203 -75.214 5.928 1.292 1.00 43.29 13723 CG ASN C 203 -76.298 7.588 -0.984 1.00 43.23 13725 ND2 ASN C 203 -75.214 5.928 1.292 1.00 43.23 13725 ND2 ASN C 203 -75.214 5.928 1.292 1.00 43.23 13726 C ASN C 203 -75.914 4.578 3.224 1.00 43.23 13727 O ASN C 203 -75.914 4.578 3.224 1.00 43.26 13728 N ASP C 204 -76.289 3.374 6.110 1.00 43.65 13729 CA ASP C 204 -77.716 3.852 4.694 1.00 43.66 13733 CG ASP C 204 -77.716 3.852 4.694 1.00 43.66 13733 CG ASP C 204 -76.289 3.374 6.216 1.00 43.43 13733 CG ASP C 204 -76.289 3.374 6.216 1.00 43.43 13734 C ASP C 204 -76.182 2.503 7.588 1.00 46.16 13735 O ASP C 204 -76.182 2.503 7.588 1.00 40.11 13736 C THR C 205 -80.707 5.257 2.933 1.00 42.31 13737 C ASP C 204 -76.182 2.503 7.588 1.00 46.16 13737 C ASP C 204 -76.289 3.374 6.100 3.404 13733 CG ASP C 204 -76.289 3.374 6.216 1.00 3.46 13734 C ASP C 204 -76.289 3.777 2.578 1.544 1.00 42.01 13737 C ASP C 204 -76.289 3.777 2.578 1.00 4.578 13738 C TH	13710	CA	PHE	С	202	-71.488	5.800	4.021	1.00	43.33
13712 CG PRE C 202 -69.311 4.660 5.127 1.00 40.261 13713 CD1 PRE C 202 -69.400 3.496 5.127 1.00 40.261 13715 CZ PRE C 202 -67.306 3.906 6.275 1.00 40.261 13716 CE2 PRE C 202 -67.306 3.906 6.275 1.00 40.261 13717 CD2 PRE C 202 -67.306 3.906 6.756 1.00 40.285 13717 CD2 PRE C 202 -69.132 5.446 6.800 1.00 40.55 13719 CPRE C 202 -72.915 6.226 3.807 1.00 43.261 13719 CPRE C 202 -72.915 6.226 3.807 1.00 43.261 13720 N ASN C 203 -73.650 5.406 3.072 1.00 43.261 13722 CA ASN C 203 -75.030 5.709 2.782 1.00 43.261 13722 CA ASN C 203 -75.030 5.709 2.782 1.00 43.261 13723 CG ASN C 203 -76.412 6.778 0.984 1.00 43.65 13725 ND2 ASN C 203 -76.412 6.778 0.984 1.00 43.261 13725 ND2 ASN C 203 -75.914 4.578 3.224 1.00 43.261 13725 ND2 ASN C 203 -75.914 4.578 3.224 1.00 43.261 13725 ND2 ASN C 203 -75.914 4.578 3.224 1.00 43.261 13725 ND2 ASN C 203 -75.914 4.578 3.224 1.00 43.261 13725 ND2 ASN C 203 -75.914 4.578 3.224 1.00 43.261 13725 ND2 ASN C 203 -75.914 4.578 3.224 1.00 43.261 13730 CB ASP C 204 -77.613 3.891 6.216 1.00 43.47 13733 CB ASP C 204 -77.613 3.891 6.216 1.00 43.47 13733 CB ASP C 204 -77.613 3.891 6.216 1.00 43.63 13733 CB ASP C 204 -77.613 3.891 6.216 1.00 43.63 13733 CB ASP C 204 -77.613 3.891 6.216 1.00 43.63 13734 CB ASP C 204 -77.613 3.891 6.216 1.00 43.63 13734 CB ASP C 204 -79.164 4.018 4.301 1.00 43.63 13734 CB ASP C 204 -79.164 4.018 4.301 1.00 43.63 13734 CB ASP C 204 -79.164 4.018 4.301 1.00 43.63 13734 CB ASP C 204 -79.164 4.018 4.301 1.00 43.63 13734 CB ASP C 204 -79.164 4.018 4.301 1.00 43.63 13734 CB ASP C 204 -79.164 4.018 4.30										
13713 CD1 PRE C 202 -69.400 3.496 5.127 1.00 40.26 13716 CE2 PRE C 202 -67.306 3.906 6.219 1.00 39.69 13716 CE2 PRE C 202 -67.306 3.906 6.219 1.00 39.69 13716 CE2 PRE C 202 -67.306 3.906 6.219 1.00 39.69 13717 CD2 PRE C 202 -67.306 3.906 6.219 1.00 39.69 13718 C PRE C 202 -67.823 5.076 6.260 1.00 40.28 13719 O PRE C 202 -72.915 6.266 3.807 1.00 43.20 13719 O PRE C 202 -73.340 7.277 4.287 1.00 43.26 13720 N ASN C 203 -73.650 5.406 3.072 1.00 42.90 13721 CA ASN C 203 -75.214 5.928 1.292 1.00 43.26 13722 CB ASN C 203 -75.214 5.928 1.292 1.00 43.65 13723 CG ASN C 203 -76.298 7.588 -0.059 1.00 47.95 13725 ND2 ASN C 203 -75.914 4.578 3.224 1.00 43.23 13725 CA ASN C 203 -75.914 4.578 3.224 1.00 43.26 13726 C ASN C 203 -75.914 4.578 3.224 1.00 43.26 13727 O ASN C 203 -75.774 3.463 2.743 1.00 43.26 13728 N ASP C 204 -76.897 3.463 2.743 1.00 43.26 13730 CB ASP C 204 -77.716 3.852 4.694 1.10 43.66 13733 CG ASP C 204 -77.716 3.852 4.694 1.00 43.66 13733 OD ASP C 204 -76.289 3.374 6.216 1.00 43.49 13733 OD ASP C 204 -76.182 2.503 7.598 1.00 46.16 13735 O ASP C 204 -76.182 2.503 7.598 1.00 42.31 13733 CG ASP C 204 -76.182 2.503 7.598 1.00 42.31 13734 C ASP C 204 -76.182 2.503 7.598 1.00 42.31 13735 O ASP C 204 -76.182 2.503 7.598 1.00 42.31 13736 O THR C 205 -80.767 5.257 2.933 1.00 42.11 13737 O THR C 205 -80.767 5.257 2.933 1.00 42.11 13734 CG GUU C 206 -81.86 4.187 3.203 1.00 41.65 13745 CG GUU C 206 -82.438 2.480 -0.172 1.00 41.65 13746 CG GUU C 206 -82.438 2.480 -0.172 1.00 41.65 13747 CGUU C 206 -82.438 2.480 -0.172 1.00 41.65 13748 CG GUU C 206 -82.438 2.480 -0.172 1.00 41.65										
13714 CEI PHE C 202										
13715 CZ										
13716 CE2 PRE C 202										
13718 CD2 PHE C 202										
13718 C										
13719										
13720 N ASN C 203										
137121 CA ASN C 203 -75.030 5.709 2.782 1.00 43.29 13722 CB ASN C 203 -75.214 5.928 1.292 1.00 43.65 13723 CG ASN C 203 -76.412 6.778 0.984 1.00 43.65 13725 ND2 ASN C 203 -76.298 7.588 -0.059 1.00 43.23 13726 C ASN C 203 -75.914 4.578 3.224 1.00 43.26 13728 N ASP C 204 -77.174 3.463 2.743 1.00 43.26 13729 C ASP C 204 -77.161 3.852 4.694 1.00 43.61 13730 CB ASP C 204 -77.181 3.891 6.216 1.00 43.49 13731 CG ASP C 204 -75.256 3.827 6.707 1.00 44.94 13734 C<										
13722 CB ASN C 203 -75.214 5.928 1.292 1.00 43.65 13724 OB ASN C 203 -76.214 6.78 0.994 1.00 43.65 13724 ODI ASN C 203 -77.425 6.734 1.686 1.00 43.23 13725 ND2 ASN C 203 -75.914 4.578 3.224 1.00 43.23 13727 O ASN C 203 -75.774 3.463 2.743 1.00 43.22 13729 O ASP C 204 -76.847 4.876 4.119 1.00 43.61 13730 CB ASP C 204 -77.716 3.852 4.694 1.00 43.66 13731 CG ASP C 204 -75.256 3.827 6.172 1.00 44.94 13733 CD ASP C 204 -75.182 2.503 7.588 1.00 46.16 13735 O </td <td></td>										
13722 CG ASN C 203 -76.412 6.778 0.984 1.00 44.58 13724 ODI ASN C 203 -77.425 6.738 -0.659 1.00 43.23 13725 ND2 ASN C 203 -75.914 4.578 3.224 1.00 43.23 13726 C ASN C 203 -75.914 4.676 4.179 1.00 43.26 13729 N ASP C 204 -77.613 3.891 6.216 1.00 43.47 13730 CB ASP C 204 -77.613 3.891 6.216 1.00 43.84 13731 CB ASP C 204 -75.256 3.827 6.172 1.00 45.47 13733 OZ ASP C 204 -75.256 3.827 6.172 1.00 43.63 13735 O ASP C 204 -79.164 4.018 4.301 1.00 43.63 13733 C<										
13724 ODJ ASN C 203										
13725 NDZ ASN C 203 -76.298 7.588 -0.099 1.00 47.95 13726 C ASN C 203 -75.914 4.578 3.224 1.00 43.26 13727 O ASN C 203 -75.974 3.463 2.743 1.00 43.26 13729 C ASP C 204 -77.16 3.852 4.694 1.00 43.67 13730 CB ASP C 204 -77.613 3.891 6.707 1.00 43.84 13731 CB ASP C 204 -75.256 3.874 6.707 1.00 44.94 13733 OZ ASP C 204 -75.256 3.827 6.172 1.00 45.47 13733 OZ ASP C 204 -76.182 2.503 7.598 1.00 45.47 13734 C ASP C 204 -76.182 <td></td>										
13726 C										
13727										
13728 N ASP C 204 -76.847 4.876 4.119 1.00 43.47 13729 CA ASP C 204 -77.613 3.891 6.216 1.00 43.64 13730 CB ASP C 204 -77.613 3.891 6.216 1.00 43.84 13731 CG ASP C 204 -75.256 3.827 6.707 1.00 45.47 13733 OD1 ASP C 204 -75.256 3.827 6.707 1.00 45.47 13733 OD2 ASP C 204 -76.182 2.503 7.598 1.00 46.16 13735 O ASP C 204 -79.164 4.018 4.301 1.00 43.63 13734 C ASP C 204 -80.031 3.315 4.014 1.00 43.63 13735 O ASP C 204 -80.031 3.315 4.014 1.00 43.63 13736 N THR C 205 -80.767 5.257 2.933 1.00 42.11 13738 CB THR C 205 -80.767 5.257 2.933 1.00 42.11 13738 CB THR C 205 -80.767 5.257 2.933 1.00 42.11 13738 CB THR C 205 -80.767 5.257 2.933 1.00 42.11 13738 CB THR C 205 -80.207 7.253 1.668 1.00 42.98 13740 CG2 THR C 205 -81.734 4.072 2.887 1.00 41.81 13741 C THR C 205 -81.734 4.072 2.887 1.00 41.51 13742 O THR C 205 -81.734 4.072 2.887 1.00 41.51 13744 CA GLU C 206 -81.260 2.939 2.388 1.00 40.50 13744 CA GLU C 206 -82.146 1.797 2.234 1.00 40.04 13745 CB GLU C 206 -82.146 1.797 2.234 1.00 40.04 13748 OEI GLU C 206 -82.146 1.797 2.234 1.00 40.04 13748 OEI GLU C 206 -82.468 2.460 -0.172 1.00 41.65 13749 OEI GLU C 206 -82.468 2.461 -1.646 1.00 44.80 13749 OEI GLU C 206 -82.134 1.324 0.774 1.00 40.05 13749 OEI GLU C 206 -82.136 1.166 1.743 -2.054 1.00 46.59 13755 OEI GLU C 206 -81.866 3.244 1.00 38.87 13755 OEI VAL C 207 -80.796 0.863 4.165 3.224 1.00 38.62 13755 OEI VAL C 207 -79.170 -0.944 7.031 1.00 36.68 13755 OEI VAL C 207 -79.170 -0.944 7.031 1.00 35.26 13755 OEI VAL C 207 -79.170 -0.944 7.031 1.00 35.26 13755 OEI VAL C 207 -80.796 0.863 4.165 5.100 37.68 13755 OEI VAL C 207 -79.170 -0.944 7.031 1.00 35.26 13755 OEI VAL C 207 -80.796 0.863 4.165 5.00 31.00 35.26 13755 OEI VAL C 207 -80.796 0.863 4.165 5.00 31.00 35.26 13755 OEI VAL C 207 -80.796 0.863 4.165 5.00 31.00 35.26 13755 OEI VAL C 207 -80.796 0.863 4.165 5.00 31.00 35.26 13755 OEI VAL C 207 -80.796 0.863 4.165 5.00 31.00 35.26 13755 OEI VAL C 207 -80.796 0.863 6.244 1.00 38.87										
13729 CA ASP C 204 -77.716 3.852 4.694 1.00 43.66 13730 CB ASP C 204 -76.289 3.374 6.707 1.00 43.66 13731 CG ASP C 204 -76.289 3.374 6.707 1.00 44.94 13733 OD2 ASP C 204 -76.289 3.374 6.707 1.00 44.94 13733 OD2 ASP C 204 -79.164 4.018 4.011 1.00 43.16 13734 C ASP C 204 -80.031 3.315 4.814 1.00 43.61 13736 N THR C 205 -99.415 4.947 3.391 1.00 42.34 13738 CB THR C 205 -80.713 5.917 1.544 1.00 42.01 13739 CB THR C 205 -80.713 5.917 1.544 1.00 42.01 13740 CG										
13730 CB ASP C 204 -77.613 3.891 6.216 1.00 43.84 13731 CG ASP C 204 -76.289 3.374 6.707 1.00 44.94 13732 ODI ASP C 204 -75.256 3.827 6.172 1.00 45.47 13733 ODZ ASP C 204 -79.164 4.018 4.301 1.00 43.63 13735 O ASP C 204 -90.031 3.315 4.014 1.00 43.63 13735 O ASP C 204 -80.031 3.315 4.014 1.00 43.63 13736 N THR C 205 -90.767 5.257 2.933 1.00 42.11 13739 OBJ THR C 205 -80.767 5.257 2.933 1.00 42.11 13739 OBJ THR C 205 -80.767 5.257 2.933 1.00 42.11 13739 OBJ THR C 205 -80.707 7.253 1.668 1.00 42.98 13734 C THR C 205 -80.173 5.917 1.544 1.00 42.98 13740 CGZ THR C 205 -81.734 4.072 2.887 1.00 41.81 13741 C THR C 205 -81.734 4.072 2.887 1.00 41.53 13742 O THR C 205 -81.734 4.072 2.887 1.00 41.53 13742 O THR C 205 -81.260 2.939 2.388 1.00 40.50 13744 CA GLU C 206 -81.260 2.939 2.388 1.00 40.50 13745 C G GLU C 206 -82.146 1.797 2.234 1.00 40.04 13745 C G GLU C 206 -82.146 1.797 2.234 1.00 40.04 13749 OBJ GLU C 206 -82.468 1.797 2.334 1.00 40.04 13749 OBJ GLU C 206 -82.468 2.480 -0.172 1.00 41.65 13747 C GLU C 206 -82.488 2.480 -0.172 1.00 41.65 13749 OBJ GLU C 206 -82.488 2.480 -0.172 1.00 40.67 13749 OBJ GLU C 206 -82.488 2.480 -0.172 1.00 40.67 13749 OBJ GLU C 206 -82.488 2.480 -0.172 1.00 40.67 13749 OBJ GLU C 206 -82.488 2.480 -0.172 1.00 40.65 13749 OBJ GLU C 206 -82.488 2.480 -0.172 1.00 40.65 13749 OBJ GLU C 206 -82.581 1.04 2.383 1.00 40.50 13755 OBJ GLU C 206 -82.511 -0.420 3.133 1.00 37.95 13755 OBJ GLU C 207 -80.976 0.863 4.165 1.00 36.62 13755 OBJ GLU C 207 -90.731 -0.138 5.205 1.00 36.62 13755 OBJ GLU C 207 -90.731 -0.138 5.205 1.00 36.88 13755 OBJ GLU C 207 -91.70 -0.944 7.031 1.00 35.26 13755 OBJ GLU C 207 -91.70 -0.944 7.031 1.00 35.26 13755 OBJ GLU C 207 -91.70 -0.944 7.031 1.00 35.26 13755 OBJ GLU C 207 -91.70 -0.944 7.031 1.00 35.26 13755 OBJ GLU C 207 -91.70 -0.944 7.031 1.00 35.26 13755 OBJ GLU C 207 -91.70 -0.944 7.031 1.00 35.26 13755 OBJ GLU C 207 -91.70 -0.944 7.031 1.00 35.26 13755 OBJ GLU C 207 -91.70 -0.944 7.031 1.00 35.26										
13731 CG ASP C 204 -76.289 3.374 6.707 1.00 44.94 13732 ODI ASP C 204 -76.289 3.374 6.707 1.00 44.94 13733 ODZ ASP C 204 -76.182 2.503 7.598 1.00 46.16 13734 C ASP C 204 -80.031 3.315 4.814 1.00 43.16 13736 N THR C 205 -80.767 5.257 2.933 1.00 42.34 13737 C THR C 205 -80.767 5.257 2.933 1.00 42.34 13738 CB THR C 205 -80.713 5.917 1.544 1.00 42.94 13739 CB THR C 205 -80.713 5.917 1.544 1.00 42.01 13740 CG2 THR C 205 -82.196 4.187 3.303 1.00 41.51 13742 O THR C 205 -82.896 4.187 3.303 1.00 41.51 <										
13732 ODJ ASP C 204										
13733 ODZ ASP C 204										
13734 C ASP C 204 -79.164 4,018 4.301 1.00 43.16 13735 O ASP C 204 -80.031 3.315 4.814 1.00 43.63 13736 N THR C 205 -79.415 4.947 3.391 1.00 42.34 13737 CA THR C 205 -80.767 5.257 2.933 1.00 42.11 13739 GE THR C 205 -80.207 7.253 1.668 1.00 42.98 13740 GE THR C 205 -80.207 7.253 1.668 1.00 42.91 13741 C THR C 205 -82.117 6.131 1.002 1.00 41.51 13742 O THR C 205 -82.136 4.072 2.887 1.00 41.51 13743 N GLU C 206 -82.136 1.797 2.234 1.00 40.51 13745 CB GLU C										
13735 O										
13736 N THR C 205 -79.415 4.947 3.391 1.00 42.34 13737 CA THR C 205 -80.767 5.257 2.933 1.00 42.11 13738 CB THR C 205 -80.713 5.917 1.544 1.00 42.91 13739 OGI THR C 205 -80.207 7.253 1.668 1.00 42.98 13740 CG THR C 205 -82.117 6.131 1.002 1.00 41.53 13742 C THR C 205 -82.196 4.187 3.303 1.00 41.53 13743 N GUU C 206 -81.734 4.072 2.887 1.00 41.53 13743 N GUU C 206 -82.136 1.797 2.234 1.00 40.50 13745 CB GUU C 206 -82.134 1.324 0.774 1.00 40.04 13745 CG GUU C 206 -82.438 2.480 -0.172 1.00 40.07 13745 CG GUU C 206 -82.268 2.161 -1.646 1.0										
13737 CA										
13738 CB THR C 205 -80.713 5.917 1.544 1.00 42.01 13739 OGI THR C 205 -80.207 7.253 1.668 1.00 42.98 13740 CGZ THR C 205 -82.117 6.131 1.002 1.00 41.81 13741 C THR C 205 -82.896 4.187 3.303 1.00 41.53 13742 O THR C 205 -82.896 4.187 3.303 1.00 41.53 13743 N GLU C 206 -82.146 1.797 2.234 1.00 40.50 13745 CB GLU C 206 -82.134 1.324 0.774 1.00 40.07 13746 CB GLU C 206 -82.268 2.161 -1.646 1.00 44.80 13749 OE2 GLU C 206 -82.268 2.161 -1.646 1.00 44.80 13749										
13739 OGI THR C 205 -80.207 7.253 1.668 1.00 42.98 13740 C 20 THR C 205 -81.734 4.072 2.887 1.00 41.53 13742 O THR C 205 -81.734 4.072 2.887 1.00 41.53 13743 N GLU C 206 -81.260 2.939 2.388 1.00 40.50 13744 CA GLU C 206 -82.146 1.797 2.234 1.00 40.04 13745 CB GLU C 206 -82.134 1.324 0.774 1.00 40.07 13746 CG GLU C 206 -82.438 2.480 -0.712 1.00 40.5 13747 DG GLU C 206 -82.536 2.363 -2.414 1.00 46.76 13749 OE2 GLU C 206 -81.666 1.743 -2.054 1.00 46.59 13755 <t< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></t<>										
13740 CG2 THR C 205 -82.117 6.131 1.002 1.00 41.81										
13741 C THR C 205 -81.734 4.072 2.887 1.00 41.53 13742 O THR C 205 -82.896 4.187 3.303 1.00 41.51 13743 N GLU C 206 -81.260 2.939 2.388 1.00 40.50 13745 CB GLU C 206 -82.134 1.324 0.774 1.00 40.07 13746 CG GLU C 206 -82.438 2.480 -0.712 1.00 41.65 13747 DG GLU C 206 -82.438 2.480 -0.172 1.00 41.65 13748 OEI GLU C 206 -82.268 2.161 -1.646 1.00 44.50 13749 OEZ GLU C 206 -81.166 1.743 -2.054 1.00 46.59 13750 C GLU 206 -81.891 0.645 3.224 1.00 46.59 13755 C GLU 207 -80.796 0.863 4.165 1.00 36.79 <td></td>										
13742 0 THR C 205 -82.896 4.187 3.303 1.00 41.51 13743 N GUU C 206 -81.266 2.939 2.388 1.00 40.50 13744 CA GUU C 206 -82.146 1.797 2.224 1.00 40.04 13745 CB GUU C 206 -82.438 2.480 -0.172 1.00 40.07 13746 CB GUU C 206 -82.268 2.161 -1.646 1.00 44.80 13749 OE1 GUU C 206 -83.236 2.363 -2.414 1.00 46.59 13759 C GUU C 206 -81.166 1.743 -2.054 1.00 46.59 13751 O GUU C 206 -81.166 1.743 -2.054 1.00 38.79 13751 O GUU C 206 -81.166 1.743 -2.054 1.00 36.59 13751 O GUU C 206 -81.169 0.486 3.224 1.00 38.79 13752 N VAL C 207 -80.796 0.863 4.165 1.00 36.62 13753 CA VAL C 207 -79.242 0.141 5.967 1										
13743 N GLU C 206 -81.260 2.939 2.388 1.00 40.50 13744 CA GLU C 206 -82.146 1.797 2.234 1.00 40.04 13745 CB GLU C 206 -82.134 1.324 0.774 1.00 40.04 13746 CG GLU C 206 -82.438 2.480 -0.172 1.00 41.65 13749 OELU C 206 -82.682 2.161 -1.646 1.00 44.00 13749 OEZ GLU C 206 -81.661 1.743 -2.054 1.00 46.76 13751 C GLU C 206 -81.891 0.645 3.224 1.00 36.96 13752 N VAL C 207 -80.976 0.863 4.165 1.00 36.62 13755 CS VAL C 207 -79.129 0.141 5.967 1.00 36.79 13755 CG										
13744 CA GUU 206 -82.146 1.797 2.234 1.00 40.04 13745 CB GUU 206 -82.134 1.324 0.774 1.00 40.04 13747 CB GUU 206 -82.268 2.480 -0.172 1.00 41.65 13748 OEI GUU 206 -83.236 2.363 -2.414 1.00 46.79 13749 OEI GUU 206 -81.166 1.743 -2.054 1.00 46.59 13750 C GUU 206 -81.166 1.743 -2.054 1.00 36.59 13751 O GUU 206 -81.166 1.743 -2.054 1.00 36.59 13751 O GUU 206 -82.511 -0.420 3.133 1.00 37.95 13752 CA VAL 207 -80.796 0.863 4.165 1.00 36.62 13755 CG VAL 207 -79.										
13745 CB GUU 206 -82.134 1.324 0.774 1.00 40.07 13746 CB GUU 206 -82.438 2.480 -0.172 1.00 41.65 13747 CD GUU 206 -82.268 2.161 -1.646 1.00 46.76 13749 OE2 GUU 206 -81.616 1.743 -2.054 1.00 46.76 13750 C GUU 206 -81.891 0.645 3.224 1.00 38.87 13751 O GUU 206 -82.511 -0.420 3.133 1.00 37.95 13752 N VAL 207 -80.976 0.863 4.165 1.00 37.68 13753 CB VAL 207 -90.976 0.863 4.165 1.00 36.62 13755 CB VAL 207 -90.976 0.986 4.165 1.00 36.62 13755 CB VAL 207 -90.976 0.944 7.001 1.00 36.62										
13746 CG GUU C 206 -82.438 2.480 -0.172 1.00 41.65 13747 CD GUU C 206 -82.268 2.616 -1.646 1.00 44.80 13748 OEI GUU C 206 -81.366 2.363 -2.414 1.00 46.76 13750 C GUU C 206 -81.166 1.743 -2.254 1.00 34.65 13751 O GUU C 206 -82.511 -0.420 3.133 1.00 37.95 13752 N VAL C 207 -80.796 0.863 4.165 1.00 36.62 13754 C VAL C 207 -90.731 -0.138 5.205 1.00 36.62 13755 CGI VAL C 207 -79.170 -0.944 7.031 1.00 36.88 13755 CGYAL C 207 -78.272 0.251 5.003 1.00 36.84 13757 C VAL C 207 -81.882 -0.074										
13747 CD GLU 2 26 -82.268 2.161 -1.646 1.00 44.80 13748 OE2 GLU 2 26 -81.266 2.363 -2.414 1.00 46.76 13759 C GLU 2 206 -81.166 1.743 -2.054 1.00 46.76 13750 C GLU 2 206 -82.511 -0.420 3.133 1.00 37.95 13752 N VAL 2 207 -80.976 0.863 4.165 1.00 37.68 13753 CB VAL 2 207 -90.731 -0.138 5.205 1.00 36.29 13755 CB VAL 2 207 -79.429 0.141 5.967 1.00 36.88 13755 CB VAL 2 207 -79.170 -0.944 7.031 1.00 36.88 13756 CG VAL 2 207 -81.882 -0.074 6.193 1.00 36.88 13758 <td< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td<>										
13748 OE1 GUD C 206 -83.236 2.2,463 -2.414 1.00 46.76 13750 C GUD C 206 -81.66 1.743 -2.054 1.00 46.59 13751 O GUD C 206 -81.891 0.645 3.224 1.00 38.87 13755 O GUD C 207 -80.976 0.863 4.165 1.00 37.95 13753 CA VAL C 207 -80.731 -0.138 5.205 1.00 36.62 13755 CG1 VAL C 207 -79.429 0.141 5.967 1.00 36.88 13755 CG2 VAL C 207 -79.170 -0.944 7.031 1.00 36.84 13757 C VAL C 207 -81.882 -0.074 6.193 1.00 35.26 13758 O VAL C 207 -81.882 -0.074 6.193 1.00 35.26 13758 <										
13749 OEZ GLU C 206 -81.166 1.743 -2.054 1.00 46.59 13750 C GLU C 206 -82.511 -0.420 3.133 1.00 38.87 13752 N VAL C 207 -80.976 0.863 4.165 1.00 37.68 13754 CB VAL C 207 -80.976 0.141 5.967 1.00 36.79 13755 CG VAL C 207 -79.170 -0.944 5.967 1.00 36.88 13756 CG VAL C 207 -81.882 -0.074 6.193 1.00 35.27 13758 O VAL C 207 -81.882 -0.074 6.193 1.00 35.27 13758 O VAL C 207 -82.170 0.986 6.724 1.00 35.26 13759 N PRO C 208 -82.565 -1.193 6.406 1.00 34.524										
13750 C GLU C 206 -81.891 0.645 3.224 1.00 38.87 13751 O GLU C 206 -82.511 -0.420 3.133 1.00 37.95 13752 N VAL C 207 -80.976 0.863 4.165 1.00 37.68 13753 Ca VAL C 207 -94.29 0.141 5.967 1.00 36.62 13755 CG VAL C 207 -79.170 -0.944 7.031 1.00 36.88 13756 CG VAL C 207 -81.882 -0.074 6.193 1.00 35.27 13758 O VAL C 207 -81.882 -0.074 6.193 1.00 35.26 13759 N PRO C 208 -82.170 0.986 6.724 1.00 35.26										
13751 O GLU 206 -82.511 -0.420 3.133 1.00 37.95 13752 N VAL C207 -80.976 0.863 4.165 1.00 37.68 13753 CA VAL C207 -79.429 0.141 5.967 1.00 36.79 13755 CG1 VAL C207 -79.170 -0.944 7.031 1.00 36.79 13755 CG2 VAL C 207 -78.272 0.251 6.193 1.00 36.84 13757 VAL C 207 -81.882 -0.074 6.193 1.00 35.26 13758 O VAL C 207 -82.170 0.986 6.724 1.00 35.26										
13752 N VAL C 207 -80.976 0.863 4.165 1.00 37.68 13753 CA VAL C 207 -80.731 -0.138 5.205 1.00 36.62 13755 CG VAL C 207 -79.429 0.141 5.967 1.00 36.88 13756 CG VAL C 207 -79.170 -0.944 7.031 1.00 36.88 13757 C VAL C 207 -81.882 -0.074 6.193 1.00 35.27 13758 O VAL C 207 -82.170 0.986 6.724 1.00 35.26 13759 N PRO C 208 -82.565 -1.193 6.406 1.00 34.54										
13753 CA VAL C 207 -80.731 -0.138 5.205 1.00 36.62 13754 CB VAL C 207 -79.429 0.141 5.967 1.00 36.79 13755 CG1 VAL C 207 -79.170 -0.944 7.031 1.00 36.88 13756 CG2 VAL C 207 -81.682 -0.074 6.193 1.00 35.26 13758 O VAL C 207 -81.682 -0.074 6.193 1.00 35.26 13759 N PRO C 208 -82.565 -1.193 6.406 1.00 35.26										
13754 CB VAL C 207 -79.429 0.141 5.967 1.00 36.79 13755 CG1 VAL C 207 -79.170 -0.944 7.031 1.00 36.88 13757 C VAL C 207 -81.827 0.251 5.003 1.00 35.27 13758 C VAL C 207 -81.882 -0.074 6.193 1.00 35.27 13759 N PRO C 208 -82.565 -1.193 6.406 1.00 34.54										
13755 CG1 VAL C 207 -79.170 -0.944 7.031 1.00 36.88 13756 CG2 VAL C 207 -81.882 -0.074 6.193 1.00 36.84 13757 C VAL C 207 -81.882 -0.074 6.193 1.00 35.26 13758 O VAL C 207 -82.170 0.986 6.724 1.00 35.26 13759 N PRO C 208 -82.565 -1.193 6.406 1.00 34.54										
13756 CG2 VAL C 207 -78.272 0.251 5.003 1.00 36.84 13757 C VAL C 207 -81.882 -0.074 6.193 1.00 35.27 13758 O VAL C 207 -82.170 0.986 6.724 1.00 35.26 13759 N PRO C 208 -82.565 -1.193 6.406 1.00 34.54										
13757 C VAL C 207 -81.882 -0.074 6.193 1.00 35.27 13758 O VAL C 207 -82.170 0.986 6.724 1.00 35.26 13759 N PRO C 208 -82.565 -1.193 6.406 1.00 34.54										
13758 O VAL C 207 -82.170 0.986 6.724 1.00 35.26 13759 N PRO C 208 -82.565 -1.193 6.406 1.00 34.54										
13759 N PRO C 208 -82.565 -1.193 6.406 1.00 34.54										
	13760	CA	PRO	С	208					

FIGURE 3 JJ

A	В	С	D	Ε	F	G	H	I	J
13761	CB	PRO	С	208	-84.179	-2.684	7.259	1.00	34.13
13762	CG	PRO		208	-83.709	-3.132	5.895	1.00	34.34
13763	CD	PRO		208	-82.366	-2.475	5.708	1.00	33.97
13764	C	PRO		208	-83.203	-0.978	8.813		33.90
13765	Ö	PRO		208	-82.027	-1.118	9.157	1.00	34.41
13766	N	LEU		209	-84.145	-0.574	9.648	1.00	33.81
13767	CA	LEU		209	-83.820	-0.198	11.005	1.00	33.49
13768	CB	LEU		209	-84.518	1.112	11.347	1.00	33.96
13769	CG	LEU		209	-84.559	2.182	10.248	1.00	35.02
13770	CD1	LEU		209	-83.316	3.015	10.268	1.00	34.09
13771	CD2	LEU		209	-85.796	3.058	10.413	1.00	36.67
13772	C	LEU		209	-84.240	-1.254	11.999	1.00	33.03
13773	Ö	LEU		209	-85.336	-1.812	11.901	1.00	33.09
13774	N	ILE		210	-83.355	-1.569	12.939	1.00	32.05
13775	CA	ILE		210	-83.777	-2.428	14.038	1.00	31.09
13776	CB	ILE		210	-82.587	-3.139	14.735	1.00	
13777	CG1			210	-83.083	-3.992	15.904		29.69
13778	CD1	ILE		210	-84.158	-4.994	15.566	1.00	
13779	CG2	ILE		210	-81.570	-2.128	15.243	1.00	30.43
13780	С			210	-84.488	-1.464	14.968		29.87
13781	0	ILE		210	-84.049	-0.341	15.128		29.51
13781	Ó	ILE		248	-84.049	-0.341	15.128		29.51
13782	N	GLU		249	-85.609	-1.884	15.531		29.61
13783	CA	GLU	С	249	-86.387	-1.015	16.414	1.00	29.40
13784	CB	GLU	С	249	-87.755	-0.709	15.798	1.00	29.74
13785	CG	GLU	С	249	-87.698	-0.227	14.343	1.00	31.91
13786	CD	GLU	С	249	-88.879	0.642	13.947	1.00	34.50
13787	OE1	GLU	С	249	-88.669	1.699	13.324	1.00	36.73
13788	OE2	GLU	С	249	-90.026	0.266	14.234	1.00	36.55
13789	C	GLU		249	-86.568	-1.727	17.740	1.00	
13790	0	GLU	С	249	-86.836	-2.916	17.762		29.47
13791	N	TYR		250	-86.373	-1.014	18.847	1.00	
13792	CA	TYR		250	-86.548	-1.604	20.163		27.93
13793	CB	TYR		250	-85.322	-2.427	20.596		27.74
13794	CG	TYR		250	-83.982	-1.700	20.561	1.00	
13795	CD1	TYR			-83.541	-0.972	21.648		29.03
13796	CE1	TYR			-82.337	-0.318	21.633		28.97
13797	CZ			250	-81.525	-0.380	20.528		28.02
13798	OH	TYR		250	-80.316	0.283	20.565		26.76
13799	CE2	TYR		250	-81.912	-1.109	19.430		26.95
13800	CD2	TYR		250	-83.148	-1.769	19.449		28.64
13801	С	TYR		250	-86.877	-0.530	21.185	1.00	
13802	0	TYR		250	-86.524	0.623	21.013	1.00	
13803	N	SER		251	-87.586	-0.906	22.239		26.40
13804	CA	SER		251	-87.924	0.050	23.255		25.34
13805	CB	SER		251	-88.994	-0.495	24.182		25.35
13806	OG			251	-90.180	-0.736	23.464		25.27
13807	C			251	-86.726	0.418	24.075		24.88
13808	0	SER		251	-85.792	-0.381	24.268		25.16
13809	N	PHE		252	-86.731	1.660	24.528		23.79
13810	CA CB			252	-85.758 -84.758	2.089	25.489 24.904		23.02
13811	CB	rnE	C	252	-04./58	3.070	24.904	1.00	21.59

FIGURE 3 JK

13812	A	В	С	D	Е		F	G	Н	I	J
13814 CEI PHE C 214	13812	CG	PHE	С	214	-83	.581	3.303	25.797	1.00	22.14
13815 CZ	13813	CD1	PHE	С	214	-83	.545	4.395	26.643	1.00	20.47
13816 CE2 PHE C 214 -81.451 2.599 26.684 1.00 22.44 13818 C	13814	CE1	PHE	С	214	-82	.474	4.602	27.495	1.00	21.26
13818 C	13815	CZ	PHE	С	214	-81	.416	3.713	27.509	1.00	21.13
13818 C	13816	CE2	PHE	С	214	-81	.451	2.599	26.684	1.00	22.44
13819 O	13817	CD2	PHE	С	214	-82	.527	2.393	25.835	1.00	21.49
13820 N T T C 215	13818	С	PHE	С	214	-86	.610	2.728	26.563	1.00	23.30
13821 CA TYR C 215 -87.366 2.694 28.839 1.00 23.72 13823 CG TYR C 215 -88.190 0.383 28.997 1.00 22.91 13824 CD1 TYR C 215 -87.384 -6.632 28.505 1.00 21.36 13825 CE1 TYR C 215 -87.384 -6.632 28.505 1.00 21.36 13825 CE1 TYR C 215 -87.384 -7.688 27.768 1.00 22.13 13826 CE1 TYR C 215 -89.287 -1.680 27.768 1.00 22.19 13828 CE2 TYR C 215 -89.287 -1.690 27.768 1.00 22.99 13828 CE2 TYR C 215 -89.287 -1.690 27.772 1.00 24.90 13829 CD2 TYR C 215 -89.553 0.346 28.703 1.00 23.70 13830 C TYR C 215 -86.891 3.927 29.591 1.00 24.24 23.831 C TYR C 215 -88.586 41.62 29.640 1.00 25.17 13833 CA SBR C 216 -85.586 41.62 29.640 1.00 25.17 13833 CA SBR C 216 -85.586 41.62 29.640 1.00 25.17 13833 CA SBR C 216 -84.636 7.712 29.858 1.00 25.11 13833 CA SBR C 216 -85.585 3.363 31.761 1.00 24.55 31.383 CA SBR C 216 -85.585 3.363 31.761 1.00 24.55 31.383 CA SBR C 216 -85.585 3.363 31.761 1.00 24.55 31.383 CA SBR C 216 -85.585 3.383 31.761 1.00 24.55 31.383 CA SBR C 216 -85.585 3.383 31.761 1.00 24.55 31.383 CA SBR C 216 -85.585 3.383 31.761 1.00 24.55 31.383 CA SBR C 216 -85.525 5.383 31.761 1.00 24.55 31.383 CA SBR C 217 -84.914 8.209 34.133 1.00 28.16 31.383 CA SBR C 217 -85.229 6.764 33.741 1.00 30.64 31.344 CA SBP C 217 -83.233 7.952 33.933 1.00 30.64 31.344 CA SBP C 217 -83.233 7.952 33.933 1.00 30.64 31.344 CA SBP C 217 -82.618 8.931 33.953 1.00 30.10 31.344 CA SBP C 217 -82.618 8.931 33.953 1.00 30.10 31.344 CA SBP C 217 -82.618 8.931 33.953 1.00 30.10 31.344 CA SBP C 217 -82.618 8.931 33.953 1.00 30.10 31.344 CA SBP C 217 -83.233 63.627 33.933 30.03 30.34 33.848 CB GUU C 218 -88.966 6.548 33.934 1.00 30.15	13819	0	PHE	С	214	-87	.362	3.663	26.302	1.00	23.83
13822 CB TYR C 215	13820	N	TYR	С	215	-86	.491	2.237	27.780		
13823 CE TYR C 215 -88.190 0.383 28.997 1.00 22.91 13825 CEI TYR C 215 -87.929 -1.668 27.768 1.00 21.36 13826 CZ TYR C 215 -89.287 -1.690 27.768 1.00 21.11 13826 CZ TYR C 215 -89.287 -1.690 27.758 1.00 22.99 13827 OH TYR C 215 -89.842 -2.706 26.779 1.00 26.40 13828 CEZ TYR C 215 -89.587 0.364 28.703 1.00 22.99 13829 CDZ TYR C 215 -89.587 0.364 28.703 1.00 24.59 13830 C TYR C 215 -89.587 0.364 28.703 1.00 24.24 13831 OT TYR C 215 -87.703 4.683 30.109 1.00 24.59 13832 N SER C 216 -85.586 4.126 29.640 1.00 25.17 13833 CA SER C 216 -85.586 4.126 29.593 1.00 26.93 13835 OS SER C 216 -85.482 6.590 29.593 1.00 26.93 13835 OS SER C 216 -85.585 3.363 30.109 1.00 26.93 13838 OS SER C 216 -85.585 3.383 31.761 1.00 28.05 13837 OS SER C 216 -85.595 3.383 31.761 1.00 28.05 13838 OS SER C 216 -85.595 3.383 31.761 1.00 28.05 13839 OS SER C 216 -85.719 4.371 32.378 1.00 26.93 13839 OS SER C 216 -85.729 6.764 33.741 1.00 30.64 13840 OS ASP C 217 -84.952 6.513 32.338 1.00 28.16 13841 OS ASP C 217 -83.512 8.379 34.648 1.00 37.46 13842 OD ASP C 217 -83.512 8.379 34.648 1.00 37.46 13843 OD ASP C 217 -82.618 8.931 33.953 1.00 30.10 13844 OS ASP C 217 -82.618 8.931 33.953 1.00 30.10 13845 OS ASP C 217 -82.618 8.931 33.953 1.00 30.10 13846 OS GUU C 218 -88.669 6.534 33.993 1.00 30.10 13847 OK ASP C 217 -86.694 6.554 33.993 1.00 30.10 13848 OS GUU C 218 -88.669 5.448 39.314 1.00 31.50 13849 OS GUU C 218 -88.640 5.447 39.862 1.00 29.16 13849 OS GUU C 218 -88.669 5.448 39.314 1.00 30.57 13841 OS GUU C 218 -88.669 5.448 39.314 1.00 30.57 13845 OS GUU C 218 -88.640 5.447 39.862 1.00 29.16 13847 OS GUU C 218 -89.695 5.448 39.314 1.00 30.15 13848 OS GUU C 218	13821	CA	TYR	С	215	-87	.366	2.694	28.839	1.00	23.72
13824		CB									
13825 CE		CG									
13826 CZ											
13827											
13828											
13829											
13830 C											
13831 O											
13832 N. SBR C. 216 -85.586 4.126 29.640 1.00 26.77 13834 CB. SBR C. 216 -84.986 5.301 30.267 1.00 26.77 13835 CB. SBR C. 216 -85.482 6.590 29.593 1.00 26.73 13835 CB. SBR C. 216 -85.535 5.358 31.761 1.00 28.05 13837 O. SBR C. 216 -85.719 44.371 32.378 1.00 28.05 13838 N. ASP C. 217 -84.952 6.513 32.338 1.00 28.05 13840 CB. ASP C. 217 -84.952 6.513 32.338 1.00 28.05 13841 CG. ASP C. 217 -85.229 6.764 33.741 1.00 30.64 13842 ODI ASP C. 217 -83.512 88.379 34.648 1.00 37.46 13843 ODZ ASP C. 217 -82.618 8.931 33.953 1.00 41.26 13844 C ASP C. 217 -86.694 6.534 33.993 1.00 3											
13833											
13845 CB SER C 216 -85.482 6.590 29.593 1.00 26.93 13835 CG SER C 216 -85.253 5.358 31.761 1.00 28.05 13837 O SER C 216 -85.253 5.358 31.761 1.00 28.05 13838 N ASP C 217 -84.952 6.513 32.338 1.00 28.16 13838 N ASP C 217 -84.952 6.513 32.338 1.00 28.85 13840 CB ASP C 217 -85.229 6.764 33.741 1.00 30.64 13841 CG ASP C 217 -84.914 8.209 34.133 1.00 31.51 13842 CD ASP C 217 -83.512 8.379 34.648 1.00 37.46 13843 CD ASP C 217 -82.618 8.379 34.648 1.00 37.46 13844 C ASP C 217 -82.618 8.931 33.953 1.00 43.60 13845 CD ASP C 217 -86.694 6.534 33.983 1.00 30.10 13846 N GLU C 218 -87.006 6.265 35.246 1.00 29.91 13847 CA GLU C 218 -88.366 6.038 35.687 1.00 30.34 13849 CG GLU C 218 -88.316 5.820 37.98 1.00 30.34 13849 CG GLU C 218 -88.316 5.820 37.98 1.00 30.34 13849 CG GLU C 218 -89.569 5.448 39.314 1.00 31.50 13850 CD GLU C 218 -89.569 5.448 39.329 1.00 30.10 13851 CE GLU C 218 -89.569 5.448 39.329 1.00 30.10 13852 CE GLU C 218 -89.301 7.221 35.337 1.00 30.19 13853 C GLU C 218 -89.301 7.221 35.337 1.00 30.15 13854 CA GLU C 218 -89.301 7.221 35.337 1.00 30.19 13855 N SER C 219 -88.400 5.447 39.862 1.00 29.16 13855 CS GLU C 218 -90.050 7.036 35.126 1.00 30.15 13855 CS SER C 219 -88.603 10.862 34.911 1.00 30.15 13856 CS SER C 219 -88.603 10.862 34.911 1.00 30.17 13857 CS SER C 219 -88.603 10.862 33.513 1.00 29.25 13860 O SER C 219 -88.603 10.862 33.513 1.00 29.25 13860 O SER C 219 -88.603 10.862 33.513 1.00 29.25 13860 O SER C 219 -90.098 96.29 33.513 1.00 29.25 13860 O SER C 219 -90.098 96.29 33.513 1.00 29.25 13860 O SER C 219 -90.098 96.29											
13835 OS SER C 216 -84.636 7.712 29.858 1.00 25.11 13836 C SER C 216 -85.719 4.371 32.378 1.00 28.05 13837 O SER C 216 -85.719 4.371 32.378 1.00 28.16 13838 N ASP C 217 -84.952 6.513 32.378 1.00 28.08 13840 CB ASP C 217 -85.229 6.764 33.741 1.00 30.64 13841 CG ASP C 217 -83.131 8.209 34.133 1.00 31.51 13842 CD ASP C 217 -83.233 7.952 35.810 1.00 34.56 13843 OD ASP C 217 -83.233 7.952 35.810 1.00 34.66 13844 C ASP C 217 -86.694 6.534 33.993 1.00 30.10 13845 C ASP C 217 -86.694 6.534 33.993 1.00 30.10 13845 C ASP C 217 -86.694 6.534 33.993 1.00 30.10 13845 C ASP C 217 -87.520 6.621 33.088 1.00 30.15 13846 N GLU C 218 -88.366 6.265 35.246 1.00 29.91 13847 CA GLU C 218 -88.366 6.265 35.246 1.00 29.91 13848 CB GLU C 218 -88.366 6.265 35.246 1.00 29.91 13849 CG GLU C 218 -88.366 5.820 37.198 1.00 30.38 13849 CG GLU C 218 -89.602 5.457 37.088 1.00 30.57 13851 OEI GLU C 218 -89.605 5.454 39.929 1.00 30.19 13852 OEZ GLU C 218 -89.509 5.454 39.314 1.00 31.50 13853 C GLU C 218 -89.509 5.454 39.314 1.00 31.51 13854 C GLU C 218 -89.509 5.454 39.314 1.00 31.51 13855 N SER C 219 -88.405 5.457 37.370 1.00 29.74 13855 C GLU C 218 -89.509 7.036 35.126 1.00 29.74 13856 C SER C 219 -88.603 10.862 34.990 1.00 29.74 13857 CB SER C 219 -88.603 10.862 34.990 1.00 29.74 13858 OS SER C 219 -88.603 1.455 36.276 1.00 34.17 13859 C SER C 219 -88.603 1.455 36.276 1.00 34.17 13850 OS SER C 219 -88.603 1.455 36.276 1.00 34.17 13850 OS SER C 219 -89.098 9.629 34.911 1.00 30.15 13850 OS SER C 219 -89.098 9.629 33.513 1.00 29.274 13850 OS SER C 219 -89.098 9.629											
13836 C SER C 216 -85.253 5.358 31.761 1.00 28.05 13837 O SER C 216 -85.719 4.371 32.378 1.00 28.16 13838 N ASP C 217 -84.952 6.513 32.338 1.00 28.16 13840 CB ASP C 217 -84.914 8.209 34.133 1.00 31.61 13841 CG ASP C 217 -83.512 88.379 34.681 1.00 31.64 13843 DD ASP C 217 -83.512 88.379 34.681 1.00 41.26 13843 DD ASP C 217 -82.618 8.931 33.953 1.00 43.60 13844 C ASP C 217 -86.694 6.534 33.983 1.00 30.15 13845 D ASP C 217 -87.520 6.621 33.088 1.00 30.15 13846 N GUU C 218 -88.366 6.038 35.687 1.00 30.08 13849 C GUU C 218 -89.366 5.48 39.314 <											
13837 O											
13838 N											
13839 CA ASP C 217 -85.229 6.764 33.741 1.00 30.64 13841 CG ASP C 217 -84.914 8.209 34.133 1.00 31.74 13842 CDI ASP C 217 -83.512 8.379 34.648 1.00 37.46 13843 OD2 ASP C 217 -82.618 8.931 33.953 1.00 43.60 13844 C ASP C 217 -86.694 6.534 33.993 1.00 30.10 13845 O ASP C 217 -87.506 6.621 33.083 1.00 30.10 13846 M GUU C 218 -87.006 6.255 35.246 1.00 29.91 13847 CA GEU C 218 -88.186 6.038 35.687 1.00 30.34 13850 CD GUU C 218 -89.569 5.448 39.314 1.00 30.15 13852											
13840 CB ASP C 217 -84.914 8.209 34.133 1.00 31.51 13841 CG ASP C 217 -83.233 7.952 35.810 1.00 37.46 13843 OD2 ASP C 217 -82.618 8.931 33.953 1.00 30.16 13844 C ASP C 217 -86.694 6.534 33.993 1.00 30.16 13845 O ASP C 217 -87.520 6.621 33.993 1.00 30.15 13846 N GLU C 218 -87.006 6.255 35.246 1.00 29.15 13847 CA GLU C 218 -88.366 6.038 35.687 1.00 30.15 13848 CB GLU C 218 -88.366 6.038 35.687 1.00 30.08 13849 CG GLU C 218 -88.366 6.038 37.198 1.00 30.57 13851 OS GLU C 218 -89.642 5.457 37.808 1.00 30.57 13851 OS GLU C 218 -89.642 5.457 37.908 1.00 30.57 13851 OS GLU C 218 -89.642 5.457 39.862 1.00 30.16 13853 CG GLU C 218 -89.642 5.457 39.862 1.00 30.16 13853 CG GLU C 218 -89.642 5.457 39.862 1.00 30.19 13855 CG GLU C 218 -89.640 5.447 39.862 1.00 29.16 13855 CG GLU C 218 -89.301 7.221 35.337 1.00 30.15 13854 CG GLU C 218 -89.301 7.221 35.337 1.00 30.15 13855 CG GLU C 218 -89.509 7.036 35.126 1.00 30.15 13855 CG GLU C 218 -89.509 7.036 35.126 1.00 30.15 13856 CG SER C 219 -88.603 10.62 34.990 1.00 29.74 13858 CG SER C 219 -88.603 10.62 33.593 1.00 29.74 13850 CG SER C 219 -88.685 1.435 36.276 1.00 30.11 13850 CS SER C 219 -90.098 9.629 33.513 1.00 29.75 13861 N LEU C 220 -89.477 8.929 3.573 1.00 29.79											
13841 CG ASP C 217 -83.512 88.379 34.648 1.00 37.46 13842 OD1 ASP C 217 -82.618 8.931 33.953 1.00 43.60 13844 C ASP C 217 -82.618 8.931 33.953 1.00 43.60 13845 C ASP C 217 -87.520 6.621 33.088 1.00 30.10 13846 N GLU C 218 -87.006 6.265 35.246 1.00 29.91 13849 CB GLU C 218 -88.318 5.820 37.98 1.00 30.34 13850 CD GLU C 218 -89.569 5.448 39.314 1.00 31.50 13851 CEZ GLU C 218 -89.569 5.448 39.314 1.00 31.50 13853 CE GLU C 218 -89.301 7.221 35.337 1.00 30.18 13853											
13842											
13843 ODZ ASP C 217 -82.618 8.931 33.953 1.00 34.60 13845 C ASP C 217 -86.94 6.534 33.993 1.00 30.15 13846 N GLU C 218 -87.520 6.621 33.088 1.00 30.15 13847 CA GLU C 218 -88.366 6.038 35.687 1.00 30.94 13849 CG GLU C 218 -88.318 5.820 37.198 1.00 30.34 13850 CD GLU C 218 -89.569 5.448 39.314 1.00 30.15 13851 OE2 GLU C 218 -89.569 5.448 39.314 1.00 30.15 13853 C GLU C 218 -89.569 5.448 39.314 1.00 30.15 13854 OE2 GLU C 218 -89.301 7.221 33.37 1.00 30.15 13855											
13844 C											
13845 O											
13846 N GLU C 218 -87.006 6.265 35.246 1.00 29.91 13847 CA GLU C 218 -88.318 5.820 37.198 1.00 30.34 13848 CB GLU C 218 -88.318 5.820 37.198 1.00 30.57 13850 CD GLU C 218 -89.695 5.448 39.314 1.00 31.05 13851 OED GLU C 218 -89.695 5.448 39.314 1.00 30.19 13852 OED GLU C 218 -89.301 7.221 35.37 1.00 30.19 13854 C GLU C 218 -89.301 7.221 35.37 1.00 30.15 13855 N SER C 219 -88.742 8.425 35.272 1.00 30.15 13857 CB SER C 219 -88.603 10.862 34.990 1.00 30.11 13859											
13847 CA GLU C 218 -88.366 6.038 35.687 1.00 30.08 13848 CB GLU C 218 -89.642 5.457 37.198 1.00 30.34 13850 CD GLU C 218 -89.569 5.448 39.321 1.00 30.57 13851 DEI GLU C 218 -88.440 5.447 39.862 1.00 29.16 13853 C GLU C 218 -89.501 7.236 35.126 1.00 29.16 13855 N SER C 219 -88.742 8.425 35.272 1.00 30.19 13855 N SER C 219 -88.742 8.425 35.272 1.00 30.19 13856 C SER C 219 -88.603 10.862 34.991 1.00 30.11 13859 C SER C 219 -88.603 10.862 34.991 1.00 30.11 13859											
13848 CB GLU C 218 -88.318 5.820 37.198 1.00 30.34 13850 CD GLU C 218 -89.569 5.448 39.314 1.00 30.57 13851 Del GLU C 218 -89.569 5.448 39.314 1.00 31.50 13852 Del GLU C 218 -88.440 5.447 39.862 1.00 29.15 13853 C GLU C 218 -89.301 7.221 35.337 1.00 30.15 13855 N SER C 219 -88.742 8.425 35.72 1.00 30.15 13856 C SER C 219 -88.603 10.862 34.990 1.00 29.16 13857 CB SER C 219 -88.603 10.862 34.990 1.00 29.74 13858 G SER C 219 -88.603 10.862 34.990 1.00 29.74 13859											
13849 CG GLU C 218 -89.642 5.457 37.808 1.00 30.57 13851 Del GLU C 218 -89.569 5.448 39.314 1.00 31.50 13852 Del GLU C 218 -89.614 39.929 1.00 30.19 13853 C GLU C 218 -89.301 7.221 35.337 1.00 30.19 13855 N SER C 219 -89.499 9.629 33.212 1.00 30.19 13856 CA SER C 219 -88.742 8.225 35.272 1.00 29.61 13857 CB SER C 219 -88.603 10.862 34.991 1.00 29.61 13858 OS SER C 219 -88.603 10.862 34.991 1.00 39.17 13859 C SER C 219 -88.685 14.435 36.276 1.00 34.91 13869 C											
13850 CD GLU C 218 -89.569 5.448 39.314 1.00 31.50 13851 OE2 GLU C 218 -90.653 5.447 39.929 1.00 30.19 13852 OE2 GLU C 218 -88.440 5.447 39.862 1.00 29.16 13854 O GLU C 218 -90.509 7.036 35.126 1.00 30.15 13855 N SRC C 219 -88.742 8.425 35.272 1.00 29.61 13857 CR SRR C 219 -88.603 10.862 34.991 1.00 29.74 13858 OG SER C 219 -88.685 11.435 36.276 1.00 34.17 13859 C SER C 219 -90.098 9.629 33.513 1.00 29.25 13860 O SER C 219 -90.098 9.629 33.513 1.00 29.25 13860											
13851 OEI GLU C 218 -90.653 5.454 39.829 1.00 30.19 13852 OEZ GLU C 218 -89.301 7.221 35.337 1.00 29.16 13854 O GLU C 218 -99.509 7.036 35.126 1.00 30.15 13855 N SER C 219 -88.742 8.425 35.272 1.00 29.61 13856 CA SER C 219 -88.604 10.862 34.901 1.00 30.11 13857 CB SER C 219 -88.603 10.862 34.901 1.00 30.11 13858 O SER C 219 -88.608 10.452 36.276 1.00 30.11 13859 C SER 219 -90.098 9.629 33.513 1.00 29.25 13860 O SER C 219 -90.098 9.629 33.573 1.00 29.25 13861											
13852 OEZ GLU C 218 -88.440 5.447 39.862 1.00 29.16 13853 C GLU C 218 -89.301 7.221 35.327 1.00 30.15 13855 N SER C 219 -88.742 8.425 35.722 1.00 29.61 13856 CA SER C 219 -89.499 9.629 34.911 1.00 30.19 13858 OG SER C 219 -88.603 10.862 34.990 1.00 29.74 13859 C SER C 219 -86.685 11.435 36.276 1.00 34.71 13869 C SER C 219 -90.098 9.629 33.513 1.00 29.25 13860 O SER C 219 -91.072 10.316 33.273 1.00 29.39 13861 N LEU C 220 -89.477 8.292 32.576 1.00 28.72	13851	OE1	GLU	С	218	-90	.653	5.454		1.00	30.19
13854 O GLU C218 -90.509 7.036 35.126 1.00 30.19 13855 N SER C 219 -88.742 84.25 35.272 1.00 29.61 13857 CB SER C 219 -89.499 9.629 34.911 1.00 30.11 13858 O SER C 219 -88.603 10.862 34.990 1.00 29.74 13859 C SER C 219 -90.098 9.629 33.513 1.00 29.25 13860 O SER C 219 -91.072 10.316 33.273 1.00 29.32 13861 N LEU C 220 -89.477 8.929 32.576 1.00 28.72	13852	OE2	GLU	С	218	-88	.440	5.447		1.00	
13855 N SRC 219 -88.742 8.425 35.272 1.00 29.61 13856 C SRC 219 -89.499 9.629 34.911 1.00 30.11 13857 CB SER C 219 -88.603 10.862 34.990 1.00 29.74 13858 OG SER C 219 -88.685 11.435 36.276 1.00 34.17 13859 C SER C 219 -90.098 9.629 33.513 1.00 29.74 13860 O SER C 219 -91.072 10.316 33.273 1.00 29.39 13861 N LEU C 220 -89.477 8.292 32.576 1.00 28.72	13853	C	GLU	С	218	-89	.301	7.221	35.337	1.00	30.15
13856 CA SER C 219 -89.499 9.629 34.911 1.00 30.11 13857 CB SER C 219 -88.603 10.862 34.990 1.00 29.74 13858 OS SER C 219 -88.685 11.435 36.276 1.00 34.17 13859 C SER C 219 -90.098 9.629 33.513 1.00 29.25 13860 O SER C 219 -91.072 10.316 33.273 1.00 29.72 13861 N LEU C 220 -89.477 8.929 32.576 1.00 28.72	13854	0	GLU	С	218	-90	.509	7.036	35.126	1.00	30.19
13857 CB SRR C 219 -88.603 10.862 34.990 1.00 29.74 13858 OG SRR C 219 -88.685 11.435 36.276 1.00 34.17 13859 C SER C 219 -90.098 9.629 33.513 1.00 29.25 13860 O SER C 219 -91.072 10.316 33.273 1.00 29.39 13861 N LEU C 220 -89.477 8.292 32.576 1.00 28.72	13855	N	SER	С	219	-88	.742	8.425	35.272		29.61
13858 OG SER C 219 -88.685 11.435 36.276 1.00 34.17 13859 C SER C 219 -90.098 9.629 33.513 1.00 29.25 13860 O SER C 219 -91.072 10.316 33.273 1.00 29.39 13861 N LEU C 220 -89.477 8.929 32.576 1.00 28.72	13856	CA	SER	С	219	-89	.499	9.629	34.911	1.00	30.11
13859 C SER C 219 -90.098 9.629 33.513 1.00 29.25 13860 O SER C 219 -91.072 10.316 33.273 1.00 29.25 13861 N LEU C 220 -89.477 8.929 32.576 1.00 28.72	13857	CB	SER	С	219	-88	.603	10.862	34.990	1.00	29.74
13860 O SER C 219 -91.072 10.316 33.273 1.00 29.39 13861 N LEU C 220 -89.477 8.929 32.576 1.00 28.72											
13861 N LEU C 220 -89.477 8.929 32.576 1.00 28.72											
13862 CA LEU C 220 -89.981 8.925 31.203 1.00 28.94											
	13862	CA	LEU	С	220	-89	.981	8.925	31.203	1.00	28.94

FIGURE 3 JL

A	В	С	D	E	F	G	H	I	J
13863	СВ	LEH	c	220	-88.996	8.217	30.286	1 00	28.81
13864	CG	LEU		220	-88.787	8.724	28.853	1.00	30.91
13865	CD1			220	-88.739	7.557	27.884	1.00	
13866	CD2			220	-89.816	9.778	28.417		30.79
13867	C			220	-91.297	8.168	31.180	1.00	
13868	0			220	-91.309	6.955	31.379		28.71
13869	N	GLN		221	-92.402	8.860	30.924	1.00	
					-93.676				
13870 13871	CA	GLN		221	-94.816	8.187 9.140	31.000	1.00	
	CB								
13872	CG	GLN			-95.741	9.573	30.392	1.00	30.12
13873	CD	GLN			-96.905	10.394	30.935	1.00	31.70
13874	OE1			221	-97.183	11.478	30.426	1.00	33.47
13875	NE2			221	-97.612	9.863	31.926		29.51
13876	C	GLN			-93.999	7.275	29.823		28.55
13877	0			221	-94.591	6.220	30.015		28.97
13878	N			222	-93.611	7.666	28.613		28.68
13879	CA			222	-93.738	6.792	27.448	1.00	
13880	CB			222	-94.384	7.540	26.292		27.58
13881	CG			222	-95.873	7.788	26.422	1.00	
13882	CD1			222	-96.792	6.896	25.875	1.00	
13883	CE1			222	-98.141	7.116	25.976		22.99
13884	CZ			222	-98.605	8.235	26.636		23.45
13885	OH			222	-99.971	8.460	26.706		22.97
13886	CE2			222	-97.706	9.128	27.187		23.41
13887	CD2			222	-96.351	8.897	27.077	1.00	
13888	C			222	-92.332	6.389	27.028		28.24
13889	0			222	-91.489	7.247	26.827	1.00	
13890	N			223	-92.071	5.099	26.884	1.00	
13891	CA			223	-90.749	4.635	26.448	1.00	
13892	CB	PRO			-90.902	3.112	26.380	1.00	
13893	CG			223	-92.158	2.790	27.107	1.00	
13894	CD			223	-93.020	3.994	27.098	1.00	
13895	С			223	-90.428	5.145	25.037		29.93
13896	0			223	-91.359	5.358	24.232		29.83
13897	N			224	-89.140	5.316	24.751	1.00	30.03
13898	CA			224	-88.680	5.720	23.435	1.00	31.06
13899	CB			224	-87.387	6.546	23.532	1.00	31.64
13900	CG			224	-86.592	6.552	22.204	1.00	35.58
13901	CD			224	-85.428	7.565	22.147	1.00	40.48
13902	CE			224	-84.847	7.650	20.713	1.00	44.08
13903	NZ	LYS		224	-83.356	7.924	20.640	1.00	45.90
13904	С			224	-88.419	4.502	22.549	1.00	31.01
13905	0			224	-88.009	3.440	23.032	1.00	30.81
13906	N			225	-88.669	4.651	21.253	1.00	30.57
13907	CA			225	-88.321	3.610	20.319	1.00	30.52
13908	CB			225	-89.414	3.434	19.277	1.00	30.58
13909	OG1			225	-90.594	2.957	19.913	1.00	30.75
13910	CG2			225	-89.071	2.285	18.342	1.00	31.23
13911	С			225	-86.999	3.984	19.646	1.00	30.64
13912	0			225	-86.906	4.988	18.937		29.95
13913	N	VAL	С	226	-85.975	3.176	19.881	1.00	30.60

FIGURE 3 JM

A	В	С	D	E	F	G	H	I	J
13914	CA	VAL	С	226	-84.683	3.400	19.251	1.00	30.79
13915	CB	VAL			-83.556	2.748	20.065	1.00	30.79
13916	CG1	VAL		226	-82.233	2.876	19.354	1.00	30.14
13917	CG2	VAL		226	-83.464	3.369	21.450	1.00	30.56
13918	C	VAL		226	-84.697	2.817	17.835	1.00	31.13
13919	0	VAL		226	-85.176	1.709	17.616	1.00	30.73
13920	N	ARG		227	-84.177	3.572	16.872	1.00	31.64
13921	CA	ARG		227	-84.173	3.127	15.484	1.00	32.37
13922	CB	ARG		227	-85.163	3.952	14.663	1.00	32.33
13923	CG	ARG		227	-86.637	3.727	15.061	1.00	33.95
13923		ARG		227	-87.646	4.587	14.293	1.00	36.77
13924	CD			227	-89.029	4.442	14.763	1.00	40.59
13925	NE CZ	ARG		227		5.000	15.878		
					-89.528	5.732			43.38
13927	NH1	ARG		227	-88.759		16.683	1.00	43.86
13928	NH2	ARG		227	-90.804	4.817	16.199		43.10
13929	С	ARG		227	-82.775	3.204	14.882		32.34
13930	0			227	-82.188	4.279	14.761	1.00	32.84
13931	N	VAL		228	-82.210	2.070	14.512	1.00	31.89
13932	CA	VAL		228	-80.858	2.152	13.996	1.00	31.57
13933	CB	VAL		228	-79.787	1.736	15.034	1.00	31.19
13934	CG1	VAL		228	-79.014	0.559	14.566	1.00	31.60
13935	CG2	VAL		228	-80.394	1.556	16.441		31.18
13936	С	VAL		228	-80.703	1.364	12.723	1.00	31.43
13937	0	VAL		228	-81.181	0.230	12.630	1.00	31.40
13938	N	PRO		229	-80.090	2.004	11.731		31.15
13939	CA	PRO		229	-79.833	1.383	10.439		31.51
13940	CB	PRO		229	-79.116	2.490	9.645		31.83
13941	CG	PRO		229	-79.540	3.747	10.291	1.00	31.61
13942	CD	PRO			-79.613	3.395	11.775	1.00	31.91
13943	С	PRO		229	-78.895	0.253	10.723	1.00	31.66
13944	0	PRO		229	-77.752	0.492	11.119	1.00	31.94
13945	N	TYR		230	-79.391	-0.960	10.518		31.57
13946	CA	TYR		230	-78.683	-2.164	10.856		31.68
13947	CB			230	-79.085	-2.562	12.286	1.00	31.52
13948	CG	TYR		230	-78.506	-3.857	12.828		30.56
13949	CD1	TYR		230	-77.802	-3.864	14.020	1.00	30.11
13950	CE1	TYR	С	230	-77.294	-5.046	14.548	1.00	30.51
13951	CZ	TYR	С	230	-77.497	-6.236	13.890	1.00	28.91
13952	OH	TYR	С	230	-76.971	-7.391	14.434	1.00	27.93
13953	CE2	TYR	С	230	-78.200	-6.262	12.697	1.00	28.65
13954	CD2	TYR	С	230	-78.698	-5.075	12.175	1.00	29.51
13955	C	TYR	С	230	-79.125	-3.224	9.879	1.00	31.77
13956	0	TYR	С	230	-80.296	-3.560	9.827	1.00	32.09
13957	N	PRO	С	231	-78.192	-3.727	9.086	1.00	32.17
13958	CA	PRO	С	231	-78.488	-4.767	8.097	1.00	32.64
13959	CB	PRO	С	231	-77.405	-4.565	7.030	1.00	32.47
13960	CG	PRO	С	231	-76.395	-3.609	7.636	1.00	32.79
13961	CD	PRO	С	231	-76.791	-3.289	9.043	1.00	32.22
13962	С	PRO	С	231	-78.354	-6.169	8.654	1.00	32.90
13963	0	PRO	С	231	-77.261	-6.626	8.996	1.00	32.61
13964	N	LYS	С	232	-79.469	-6.863	8.731	1.00	33.36

FIGURE 3 JN

A	В	С	D	E		F		G		Н	1	J
13965	CA	LYS	c	232	_	79.428	_	8.228		9.165	1.00	34.36
13966	CB			232		80.804		8.664		9.664	1.00	34.43
13967	CG			232		81.156		8.056		1.023	1.00	34.61
13968	CD			232		82.582		8.402		1.485	1.00	34.22
13969	CE	LYS				82.888		7.773		2.872	1.00	34.56
13970	NZ			232		82.178		8.420		4.033	1.00	30.83
13971	С			232		78.971		9.004		7.949	1.00	35.12
13972	ŏ			232		78.910		8.453		6.855	1.00	35.75
13973	N			233		78.636		0.274		8.117	1.00	35.80
13974	CA	ALA		233		78.116		1.039		6.989	1.00	36.32
13975	CB	ALA		233		77.928		2.488		7.368	1.00	35.65
13976	С	ALA	С	233	_	79.052	-1	0.917		5.790	1.00	36.79
13977	0			233	_	80.263	-1	0.969		5.948	1.00	37.65
13978	N			234	-	78.481	-1	0.736		4.603	1.00	37.33
13979	CA	GLY	С	234	-	79.248	-1	0.663		3.365	1.00	37.38
13980	С	GLY	С	234	-	79.966	-	9.377		3.008	1.00	37.11
13981	0	GLY	С	234	-	80.513	-	9.255		1.913	1.00	37.80
13982	N	ALA	С	235	-	79.965	-	8.407		3.910	1.00	37.21
13983	CA	ALA	С	235	-	80.694	-	7.159		3.683	1.00	36.87
13984	CB	ALA	С	235	-	81.111	-	6.552		5.020	1.00	36.57
13985	C	ALA	С	235	-	79.842	-	6.174	- 3	2.897	1.00	36.89
13986	0	ALA	С	235	-	78.673	-	6.440		2.628	1.00	37.64
13987	N	VAL	С	236	-	80.388	-	5.019		2.542	1.00	36.71
13988	CA	VAL	С	236	-	79.549	-	4.094		1.819	1.00	36.90
13989	CB	VAL	С	236	-	80.339	-	2.952		1.117	1.00	36.83
13990	CG1	VAL	С	236	-	80.547	-	1.787		2.050	1.00	37.74
13991	CG2	VAL	С	236	-	81.660	-	3.457		0.544	1.00	35.33
13992	C	VAL	С	236	-	78.526	-	3.486	1	2.779	1.00	37.52
13993	0	VAL	С			78.868	-	3.043		3.893	1.00	37.13
13994	N	ASN	С	237	-	77.275	-	3.480		2.335	1.00	37.50
13995	CA	ASN		237		76.168		2.904		3.077	1.00	38.17
13996	CB			237		74.876		3.663		2.750	1.00	38.39
13997	CG	ASN		237		74.640		4.852		3.651	1.00	38.73
13998	OD1	ASN		237		73.833		5.720		3.341	1.00	38.98
13999	ND2	ASN		237		75.327		4.886		4.779	1.00	38.15
14000	С	ASN		237		75.965		1.469		2.644	1.00	38.26
14001	0			237		76.470		1.049		1.603	1.00	38.10
14002	N			238		75.232	-	0.714		3.448	1.00	38.87
14003	CA			238		74.833		0.638		3.059	1.00	39.39
14004	CB	PRO		238		74.032		1.132		4.279	1.00	39.41
14005	CG	PRO		238		73.607		0.122		4.988	1.00	38.23
14006	CD			238		74.774	-	1.050		4.812	1.00	39.00
14007	С			238		73.929		0.572		1.830	1.00	40.28
14008	0			238		73.554	-	0.542		1.383	1.00	40.34
14009	N	THR		239		73.610		1.754		1.294	1.00	40.95
14010	CA	THR		239		72.726		1.884		0.145	1.00	41.78
14011	CB			239		73.497		2.412		1.092	1.00	42.17
14012	OG1	THR		239		74.131		3.663		0.773	1.00	41.20
14013	CG2			239		74.644		1.482		1.470	1.00	40.36
14014	С			239		71.600		2.850		0.512	1.00	43.18
14015	0	THR	C	239	-	71.805		3.775		1.302	1.00	42.77

FIGURE 3 JO

14016 N	A	В	С	D	E	F	G	H	I	J
14017 CA	14016	N	37AT.	c	240	-70 419	2 653	-0.065	1 00	44 55
14018 CB										
14019 CG1 VAL C 240										
14020 CG2 VAL C 240										
14021 C VAL C 240										
14022 Q										
14023 N										
14024 CA										
14025 CB										
14026 CG LYS C 241										
14027 CD										
14028 CE LYS C 241										
14029 NZ LYS C 241										
14030 C LYS C 241										
14031 O LYS C 241										
14032 N PHE C 242 -65.027 6.641 -1.453 1.00 52.68 14033 CA PHE C 242 -62.614 6.199 -0.980 1.00 54.09 14035 CG PHE C 242 -66.0397 6.107 0.940 1.00 55.54 14036 CB PHE C 242 -66.0397 6.107 0.940 1.00 55.54 14036 CB PHE C 242 -59.880 6.599 1.617 1.00 57.97 14039 CE PHE C 242 -59.880 6.599 1.110 1.00 57.97 14039 CE PHE C 242 -59.880 6.599 1.110 1.00 57.97 14039 CE PHE C 242 -59.883 8.278 -0.061 1.00 56.86 14040 CD2 PHE C 242 -60.837 7.83 -0.730 1.00 56.12 14040 CD2 PHE C 242 -63.451 8.512 -1.516 1.00 54.71 14042 CD PHE C 242 -63.451 8.512 -1.516 1.00 54.71 14042 CD PHE C 243 -62.975 9.430 -0.682 1.00 55.72 14043 N PHE C 243 -62.975 9.430 -0.682 1.00 55.72 14044 CA PHE C 243 -62.602 1.0763 -1.111 1.00 56.89 14045 CB PHE C 243 -63.699 11.777 -0.755 1.00 56.89 14040 CD2 PHE C 243 -66.092 11.565 -1.486 1.00 57.69 14040 CD2 PHE C 243 -66.992 11.565 -1.486 1.00 57.69 14040 CD2 PHE C 243 -66.902 11.565 -1.486 1.00 57.69 14040 CD2 PHE C 243 -66.399 11.777 -0.755 1.00 56.82 14040 CD2 PHE C 243 -66.395 11.956 -3.399 1.00 57.00 14049 CZ PHE C 243 -66.395 11.956 -3.399 1.00 57.20 14055 CD2 PHE C 243 -66.395 11.956 -3.399 1.00 57.20 14055 CD2 PHE C 243 -66.395 11.956 -3.399 1.00 57.20 14055 CD2 PHE C 243 -66.395 11.956 -3.399 1.00 57.20 14055 CD2 PHE C 243 -66.395 11.956 -3.399 1.00 57.20 14055 CD2 PHE C 243 -66.395 11.956 -3.399 1.00 57.50 14055 CD2 PHE C 243 -66.395 11.956 -3.399 1.00 57.50 14055 CD2 PHE C 243 -66.395 11.956 -3.399 1.00 57.50 14055 CD2 PHE C 243 -66.395 11.956 -3.399 1.00 57.50 14055 CD2 PHE C 243 -66.395 11.956 -3.399 1.00 57.50 14055 CD2 PHE C 243 -66.395 11.956 -3.399 1.00 57.50 14055 CD2 PHE C 243 -66.395 11.956 -3.399 1.00 57.90 14055 CD2 PHE C 243 -66.395 11.956 -3.399 1.00 57.90 14055 CD2 PHE C 243 -66.395 11.956 -3.399 1.00 57.90 14055 CD2 PHE C 243 -66.395 11.956 -3.399 1.00 57.90 14055 CD2 PHE C 243 -66.395 11.956 -3.399 1.00 57.90 14055 CD2 PHE C 243 -66.395 11.956 -3.399 1.00 57.90 14055 CD2 PHE C 244 -66.653 12.176 -0.366 1.00 58.56 14.666 CD2 PHE C 244 -59.506 12.176 -0.366 1.00 58.56 14.666 CD2										
14033 CA PREC 242 -63.797 7.171 -0.883 1.00 54.02 14034 CB PREC 242 -62.614 6.199 -0.980 1.00 54.02 14035 CG PREC 242 -61.393 6.690 -0.249 1.00 55.54 14037 CEI PREC 242 -59.880 6.599 1.617 1.00 57.90 14038 CE PREC 242 -59.178 7.689 1.110 1.00 57.90 140403 CE PREC 242 -59.583 8.278 -0.661 1.00 57.90 140401 C PREC 242 -63.651 8.512 -1516 1.00 54.79 14043 N PREC 242 -63.628 8.708 -2.712 1.00 54.36 14044 CA PREC 243 -62.602 10.763 -1111 1.00 56.89 14045 CB </td <td></td>										
14034 CB PHE C 242										
14036 CG PHE C 242										
14036 CD1 PRE C 242										
14038 CZ PRE C 242										
14038 CZ PHE C 242										
14039 CE2 PHE C 242 -60.683 7.783 -0.730 1.00 56.86 14040 CD2 PHE C 242 -60.683 7.783 -0.730 1.00 56.12 14041 C PHE C 242 -63.451 8.512 -1.516 1.00 54.36 14042 N PHE C 243 -63.628 8.708 -2.712 1.00 54.36 14043 N PHE C 243 -62.0975 9.430 -0.662 1.00 55.72 14044 CA PHE C 243 -62.602 10.763 -1.111 1.00 56.89 14045 CB PHE C 243 -63.699 11.777 -0.755 1.00 56.89 14046 CG PHE C 243 -64.992 11.565 -1.486 1.00 57.69 14047 CD1 PHE C 243 -66.910 10.808 -0.921 1.00 57.69 14048 CE1 PHE C 243 -66.910 10.808 -0.921 1.00 57.00 14049 CZ PHE C 243 -66.010 10.808 -0.921 1.00 57.00 14049 CZ PHE C 243 -66.395 11.956 -3.399 1.00 57.20 14050 CE2 PHE C 243 -66.395 11.956 -3.399 1.00 57.20 14051 CD2 PHE C 243 -66.395 11.956 -3.399 1.00 57.20 14052 C PHE C 243 -66.395 11.956 -3.391 1.00 57.73 14053 N PHE C 243 -66.395 11.956 -3.391 1.00 57.53 14053 N PHE C 243 -66.395 11.956 -3.391 1.00 57.53 14055 CA VAL C 244 -60.693 12.176 -0.396 1.00 57.70 14055 CA VAL C 244 -59.506 12.770 -0.313 1.00 58.87 14055 CA VAL C 244 -59.506 12.770 -0.313 1.00 58.87 14056 CB VAL C 244 -58.293 11.488 -0.731 1.00 58.87 14059 C VAL C 244 -59.519 14.245 -0.613 1.00 59.44 14050 N VAL C 244 -59.519 14.245 -0.613 1.00 59.44 14060 N VAL C 244 -59.519 14.245 -0.331 1.00 59.44 14060 N VAL C 244 -59.519 15.028 0.391 1.00 60.36 14066 CR VAL C 245 -59.915 15.028 0.391 1.00 60.36 14066 CR VAL C 245 -59.915 17.07 1.03 1.00 61.31 14066 CR VAL C 245 -59.915 17.07 1.03 1.00 61.29										
14040 CD2 PHE C 242										
14041 C										
14042 0 PHE C 242 -63.628 8.708 -2.712 1.00 54.36 14043 N PHE C 243 -62.975 9.430 -0.682 1.00 55.72 14044 CA PHE C 243 -62.602 10.763 -1.111 1.00 56.82 14046 CB PHE C 243 -63.699 11.777 -0.755 1.00 56.82 14047 CD1 PHE C 243 -66.010 10.808 -0.921 1.00 57.77 14048 CEI PHE C 243 -66.010 10.808 -0.921 1.00 57.77 14049 CZ PHE C 243 -67.209 10.621 -1.590 1.00 57.07 14049 CZ PHE C 243 -67.400 11.193 -2.824 1.00 57.21 14051 CD2 PHE C 243 -66.395 11.956 -3.399 1.00 57.20 14052 C PHE C 243 -66.395 11.956 -3.399 1.00 57.20 14053 C PHE C 243 -66.395 11.956 -3.399 1.00 57.20 14054 N VAL C 244 -60.653 12.176 -0.966 1.00 57.53 14055 C PHE C 243 -60.390 10.652 0.651 1.00 57.53 14055 C NAL C 244 -59.506 12.770 -0.313 1.00 58.09 14055 C NAL C 244 -59.506 12.770 -0.313 1.00 58.09 14055 C VAL C 244 -59.506 12.770 -0.313 1.00 58.09 14055 C VAL C 244 -59.506 12.770 -0.313 1.00 58.76 14057 CGI VAL C 244 -57.057 13.186 -0.731 1.00 58.76 14058 CG2 VAL C 244 -59.519 14.245 -0.613 1.00 59.44 14060 C VAL C 244 -59.519 14.245 -0.613 1.00 59.44 14060 CR VAL C 244 -59.519 15.028 -1.715 1.00 59.54 14061 N VAL C 245 -59.170 15.028 -1.715 1.00 61.35 14063 CB VAL C 245 -59.190 16.895 -2.571 1.00 61.31 14064 CGI VAL C 245 -59.992 16.895 2.571 1.00 61.29										
14043 N PHE C 243										
14044 CA PHE C 243										
14045 CB PHE C 243										
14046 CG PHE C 243										
14047 CD1 PRE C 243										
14048 CEI PHE C 243										
14049 CZ PHE C 243										
14050 CE2 PRE C 243										
14051 CD2 PHE C 243 -65.204 12.142 -2.732 1.00 57.47 14053 O PHE C 243 -60.980 10.652 0.651 1.00 57.73 14054 N VAL C 244 -60.653 12.176 -0.966 1.00 58.09 14055 C VAL C 244 -59.506 12.770 -0.313 1.00 58.09 14056 CB VAL C 244 -58.169 12.138 -0.731 1.00 58.76 14057 CG1 VAL C 244 -58.169 12.138 -0.731 1.00 58.76 14058 CG2 VAL C 244 -59.519 14.245 -0.613 1.00 58.56 14059 C VAL C 244 -59.519 14.245 -0.613 1.00 59.54 14060 C VAL C 244 -59.170 15.028 -1.715 1.00 59.55 14061 N VAL C 245 -59.170 15.028 0.391 1.00										
14052 C PHE 243 -61.334 11.194 -0.396 1.00 57.53 14053 N PHE 243 -60.898 10.652 0.651 1.00 57.70 14054 N VAL 244 -60.653 12.176 -0.966 1.00 58.09 14055 CA VAL 244 -59.506 12.138 -0.731 1.00 58.87 14057 CG1 VAL 244 -58.169 12.138 -0.731 1.00 58.84 14058 CZ VAL 244 -57.057 13.148 -2.070 1.00 58.84 14059 C VAL 244 -59.519 14.245 -0.613 1.00 59.44 14060 C VAL 244 -59.519 14.245 -0.613 1.00 59.44 14061 N VAL 245 -59.170 15.028 0.391 1.00 50.36 14062 CA										
14053 O PHE C 243 -60.980 10.652 0.651 1.00 57.70 14054 N VAL C 244 -60.653 12.176 -0.966 1.00 58.09 14055 CA VAL C 244 -59.506 12.770 -0.313 1.00 58.87 14056 CB VAL C 244 -58.169 12.138 -0.731 1.00 58.76 14058 CG2 VAL C 244 -57.057 13.186 -0.731 1.00 58.56 14060 O VAL C 244 -59.866 14.668 -1.715 1.00 59.44 14061 N VAL C 244 -59.866 14.668 -1.715 1.00 59.45 14061 N VAL C 245 -59.170 15.028 0.391 1.00 60.36 14062 CA VAL C 245 -59.170 15.028 0.391 1.00 61.05 14063 CB VAL C 245 -59.992 16.895 2.571 1.00 61.										
14054 N VAL 244 -60.653 12.176 -0.966 1.00 58.09 14055 CA VAL 244 -59.506 12.770 -0.313 1.00 58.09 14056 CB VAL 2244 -58.169 12.138 -0.731 1.00 58.76 14058 CG2 VAL 2244 -57.057 13.186 -0.731 1.00 58.84 14059 C VAL 2244 -59.519 14.245 -0.613 1.00 59.44 14060 O VAL 2244 -59.159 14.245 -1.715 1.00 59.44 14061 N VAL 2245 -59.150 15.028 0.391 1.00 59.54 14062 Ca VAL 2245 -59.155 16.459 0.235 1.00 61.31 14063 CB VAL 245 -59.925 17.107 1.093 1.00 61.31 14064 CG										
14055 CA VAL 244 -59.506 12.770 -0.313 1.00 58.87 14057 CGI VAL 244 -58.169 12.138 -0.731 1.00 58.76 14058 CG2 VAL 244 -58.293 11.448 -2.070 1.00 58.56 14059 C VAL 244 -59.519 14.245 -0.613 1.00 59.55 14061 N VAL 244 -59.866 14.668 -1.715 1.00 59.55 14062 C VAL 245 -59.170 15.028 0.391 1.00 60.36 14063 CB VAL 245 -59.155 16.459 0.235 1.00 61.05 14064 CGI VAL 245 -59.992 16.895 2.571 1.00 61.05 14064 CGI VAL 245 -60.258 17.107 1.093 1.00 61.05 14064 CGI </td <td></td>										
14056 CB VAL 244 -58.169 12.138 -0.731 1.00 58.76 14057 CG1 VAL 244 -57.057 13.186 -2.070 1.00 58.84 14058 Cg2 VAL 244 -57.057 13.186 -0.731 1.00 58.84 14060 VAL 2 244 -59.816 14.245 -0.613 1.00 59.44 14061 N VAL 2 244 -59.866 14.668 -1.715 1.00 59.49 14062 CA VAL 2 245 -59.170 15.028 0.391 1.00 60.36 14063 CB VAL 2 245 -59.175 16.459 0.235 1.00 61.05 14064 CGI VAL 2 245 -60.258 17.107 1.093 1.00 61.05 14064 CGI VAL 2 245 -60.258 17.107 1.093 1.00 61.05 14065 CGZ										
14057 CG1 VAL C 244 -58.293 11.448 -2.070 1.00 58.84 14058 CG2 VAL 244 -57.575 13.186 -0.731 1.00 58.56 14059 C VAL 244 -59.519 14.245 -0.613 1.00 59.44 14061 N VAL 244 -59.866 14.669 -1.715 1.00 59.55 14062 CA VAL 245 -59.170 15.028 0.391 1.00 60.36 14063 CB VAL 245 -60.258 17.107 1.093 1.00 61.31 14064 CG1 VAL 245 -60.258 17.107 1.093 1.00 61.29 14065 CZ VAL 2245 -60.390 18.584 0.770 1.00 61.28										
14058 CG2 VAL 244 -57.057 13.186 -0.731 1.00 58.56 14060 O VAL 244 -59.866 14.668 -1.715 1.00 59.44 14061 N VAL 244 -59.866 14.668 -1.715 1.00 59.54 14062 C VAL 245 -59.170 15.028 0.391 1.00 60.36 14063 CB VAL 245 -60.258 17.107 1.093 1.00 61.05 14064 CG1 VAL 245 -60.258 17.107 1.093 1.00 61.05 14065 CG2 VAL 245 -60.390 18.584 0.770 1.00 61.48										
14059 C VAL C 244 -59.519 14.245 -0.613 1.00 59.44 14060 O VAL 2244 -59.866 14.668 -1.715 1.00 59.55 14061 N VAL 2245 -59.170 15.028 0.391 1.00 60.36 14063 CB VAL 245 -59.155 16.459 0.235 1.00 61.31 14064 CB VAL C 245 -60.258 17.107 1.093 1.00 61.05 14065 CB VAL C 245 -60.390 18.554 2.571 1.00 61.29										
14060 O VAL C 244 -59.866 14.668 -1.715 1.00 59.55 14061 N VAL C 245 -59.170 15.028 0.391 1.00 60.36 14062 Ca VAL C 245 -59.155 16.459 0.235 1.00 61.35 14063 CB VAL C 245 -60.258 17.107 1.093 1.00 61.05 14064 CG1 VAL C 245 -59.992 16.895 2.571 1.00 61.29 14065 CG2 VAL C 245 -60.390 18.584 0.770 1.00 61.43										
14061 N VAL C 245 -59.170 15.028 0.391 1.00 60.36 14062 C VAL C 245 -59.155 16.459 0.235 1.00 61.35 14063 CB VAL C 245 -60.258 17.107 1.093 1.00 61.05 14064 CGI VAL C 245 -59.992 16.895 2.571 1.00 61.29 14065 CGZ VAL C 245 -60.390 18.584 0.770 1.00 61.28										
14062 CA VAL C 245 -59.155 16.459 0.235 1.00 61.31 14063 CB VAL C 245 -60.258 17.107 1.093 1.00 61.05 14064 CG1 VAL C 245 -59.992 16.895 2.571 1.00 61.29 14065 CG2 VAL C 245 -60.390 18.584 0.770 1.00 61.48										
14063 CB VAL C 245 -60.258 17.107 1.093 1.00 61.05 14064 CG1 VAL C 245 -59.992 16.895 2.571 1.00 61.29 14065 CG2 VAL C 245 -60.390 18.584 0.770 1.00 61.48										
14064 CG1 VAL C 245 -59.992 16.895 2.571 1.00 61.29 14065 CG2 VAL C 245 -60.390 18.584 0.770 1.00 61.48										
14065 CG2 VAL C 245 -60.390 18.584 0.770 1.00 61.48										

FIGURE 3 JP

	J
14067 0 1737 0 045 57 064 16 477 1 400 1 00 6	
	1.82
	2.81
	3.66
14070 CB ASN C 246 -55.588 19.263 -1.289 1.00 63	
	1.57
	.06
	1.15
	1.22
	1.23
	5.16
	5.53
	5.37
	5.45
	5.38
	7.57
	3.02
	3.75
	81
	78
	.26
	0.80
	.35
).64
	1.41
	2.19
	1.64
	2.92
	3.16
	3.60
	1.16
	1.23
	1.48
	1.84
	1.30
	1.46
	1.68
	1.74
	1.97
	1.98
	5.33
	5.02
	5.26
	5.01
	5.02
	5.12
	1.96
	5.05
	5.18
14117 N VAL C 253 -63.398 31.061 0.939 1.00 74	

FIGURE 3 JQ

A	В	С	D	E		F	G	ŀ	i	1	J
14118	CA	VAL	С	253	_	64.463	31.625	0.	121	1.00	74.78
14119	CB	VAL		253		63.973	32.869		635	1.00	74.98
14120	CG1	VAL				65.068	33.409		549	1.00	75.28
14121	CG2	VAL				63.507	33.942		345	1.00	75.20
14122	С	VAL				64.983	30.619		893	1.00	74.54
14123	ō	VAL				65.985	30.854		577	1.00	74.56
14124	N	THR				64.291	29.493		992	1.00	74.00
14125	CA	THR				64.680	28.472		941	1.00	73.39
14126	CB	THR				63.672	28.420		090	1.00	73.52
14127	OG1	THR				63.590	29.716		695	1.00	73.59
14128	CG2	THR		254		64.191	27.533		212	1.00	73.80
14129	C	THR				64.782	27.121		257	1.00	72.75
14130	ō	THR				63.789	26.602		731	1.00	72.46
14131	N	ASN				65.994	26.570		249	1.00	71.75
14132	CA	ASN				66.223	25.262		662	1.00	70.61
14133	CB	ASN		255		67.600	24.710	-1.	048	1.00	70.63
14134	CG	ASN		255		68.724	25.334		243	1.00	71.20
14135		ASN		255		68.487	25.955		794	1.00	71.73
14136	ND2	ASN		255		69.957	25.174		718	1.00	72.81
14137	С	ASN		255		65.119	24.324		124	1.00	69.67
14138	Ō	ASN		255		64.680	24.384		274	1.00	69.53
14139	N	ALA				64.655	23.475		219	1.00	68.42
14140	CA	ALA				63.585	22.549		542	1.00	67.23
14141	CB	ALA				63.119	21.826		709	1.00	67.12
14142	C	ALA	С	256	_	64.039	21.554	-1.	599	1.00	66.42
14143	0	ALA				65.197	21.138		617	1.00	66.17
14144	N	THR				63.127	21.195		495	1.00	65.41
14145	CA	THR		257		63.431	20.214		521	1.00	64.47
14146	CB	THR	С	257	_	62.896	20.652	-4.	908	1.00	64.80
14147	OG1	THR	С	257	_	63.358	19.737	-5.	917	1.00	65.37
14148	CG2	THR	С	257	-	61.375	20.542	-4.	977	1.00	64.56
14149	С	THR	С	257	_	62.797	18.923	-3.	056	1.00	63.52
14150	0	THR	С	257	-	61.685	18.922	-2.	530	1.00	63.59
14151	N	SER	С	258	-	63.512	17.821	-3.	209	1.00	62.13
14152	CA	SER	С	258	-	63.002	16.557	-2.	718	1.00	60.62
14153	CB	SER	С	258	-	63.951	15.986	-1.	666	1.00	60.88
14154	OG	SER	С	258	-	64.412	17.019	-0.	806	1.00	61.43
14155	С	SER	С	258	-	62.821	15.585	-3.	861	1.00	59.48
14156	0	SER	С	258	_	63.725	15.397	-4.	679	1.00	58.94
14157	N	ILE	С	259	_	61.647	14.965	-3.	903	1.00	58.18
14158	CA	ILE	С	259	_	61.323	14.032	-4.	967	1.00	56.94
14159	CB	ILE	С	259	_	59.813	14.045	-5.	284	1.00	57.27
14160	CG1	ILE	С	259	_	59.326	15.480	-5.	529	1.00	57.02
14161	CD1	ILE	С	259	-	60.191	16.268	-6.	503	1.00	57.66
14162	CG2	ILE	С	259	-	59.512	13.112		467	1.00	56.47
14163	С	ILE	С	259	-	61.749	12.631	-4.	614	1.00	56.04
14164	0	ILE	С	259	-	61.228	12.020	-3.	680	1.00	55.73
14165	N	GLN	С	260	-	62.701	12.121	-5.	382	1.00	54.99
14166	CA	GLN		260	-	63.181	10.771	-5.	182	1.00	53.54
14167	CB	GLN	С	260	-	64.550	10.602	-5.	834		53.37
14168	CG	GLN	С	260	-	65.003	9.173	-5.	955	1.00	52.83

FIGURE 3 JR

A	В	С	D	Е	F	G	Н	I	J
14169	CD	GLN	C	260	-66.50	9.062	-6.058	1.00	52.58
14170	OE1	GLN		260	-67.16		-6.523		52.38
14171	NE2	GLN			-67.04		-5.604		51.95
14172	С	GLN	С	260	-62.21		-5.772	1.00	52.72
14173	0	GLN		260	-61.633		-6.821	1.00	52.95
14174	N	ILE	С	261	-62.02	8.666	-5.069	1.00	51.88
14175	CA	ILE	С	261	-61.26	7.540	-5.592	1.00	50.87
14176	CB	ILE	С	261	-60.093	7.154	-4.682	1.00	50.78
14177	CG1	ILE	С	261	-59.05	8.276	-4.640	1.00	50.76
14178	CD1	ILE	С	261	-57.869	7.981	-3.754	1.00	50.25
14179	CG2	ILE	С	261	-59.45	7 5.856	-5.164	1.00	50.19
14180	C	ILE	С	261	-62.268	6.416	-5.632	1.00	50.47
14181	0	ILE	С	261	-62.61	5.852	-4.602	1.00	50.34
14182	N	THR	С	262	-62.77	6.123	-6.818	1.00	50.10
14183	CA	THR	С	262	-63.742	5.059	-6.976	1.00	49.78
14184	CB	THR	С	262	-64.232	4.987	-8.436	1.00	50.03
14185	OG1	THR	С	262	-64.633	3.638	-8.732	1.00	51.14
14186	CG2	THR	С	262	-63.079	5.206	-9.389	1.00	49.30
14187	С	THR	С	262	-63.11	3.742	-6.614	1.00	49.16
14188	0	THR	С	262	-61.903	3.645	-6.486	1.00	49.47
14189	N	ALA	С	263	-63.940		-6.461	1.00	48.84
14190	CA	ALA	С	263	-63.45	1.384	-6.187	1.00	48.32
14191	CB	ALA			-64.470		-5.318	1.00	48.02
14192	C	ALA			-63.258		-7.516	1.00	47.91
14193	0	ALA	С	263	-63.86		-8.523	1.00	47.60
14194	N	PRO		264	-62.412		-7.516	1.00	47.56
14195	CA	PRO		264	-62.15		-8.724	1.00	47.36
14196	CB	PRO		264	-61.143		-8.247	1.00	47.26
14197	CG	PRO			-60.533		-7.027	1.00	47.84
14198	CD	PRO		264	-61.62		-6.368	1.00	47.47
14199	С	PRO		264	-63.403		-9.275	1.00	46.88
14200	0			264	-64.32		-8.530	1.00	46.44
14201	N	ALA			-63.408		-10.590	1.00	46.60
14202	CA	ALA			-64.53		-11.280	1.00	45.96
14203	CB	ALA			-64.222		-12.761		46.10
14204	С	ALA		265	-64.92			1.00	45.47
14205	0	ALA			-66.10		-10.503	1.00	45.40
14206	N	SER		266	-63.932		-10.282	1.00	45.07
14207	CA			266	-64.21		-9.691	1.00	44.62
14208	CB	SER		266	-62.923		-9.440	1.00	44.26
14209	OG	SER		266	-61.973		-8.785	1.00	43.86
14210	C	SER		266	-65.033		-8.410	1.00	44.41
14211	0	SER		266	-65.690		-7.978	1.00	44.20
14212	N	MET	C	267	-64.993		-7.815	1.00	44.50
14213	CA CB	MET	C	267 267	-65.825 -65.112		-6.650 -5.701	1.00	44.69
14214		MET	C	267	-63.87		-5.701	1.00	44.90
14215	CG SD	MET	C	267	-63.87		-3.769	1.00	47.95
14216	CE	MET	c	267	-63.325		-4.304	1.00	46.70
14217	CE	MET	c	267	-67.15		-7.083	1.00	44.34
14219	0		c	267	-68.213		-6.597		44.15
14513	0	rus I	_	201	-00.21	4.219	-0.597	1.00	44.13

FIGURE 3 JS

A	В	С	D	Е	F	G	H	I	J
14220	N	LEU	С	268	-67.093	-2.873	-8.012	1.00	44.09
14221	CA			268	-68.274	-2.116	-8.432	1.00	
14222	CB			268	-67.906	-1.030	-9.443	1.00	44.01
14223	CG			268	-67.101	0.162	-8.937	1.00	44.40
14224	CD1	LEU			-66.979	1.237	-10.015	1.00	43.41
14225	CD2	LEU		268	-67.709	0.730	-7.642	1.00	45.00
14226	C			268	-69.409	-2.958	-8.996	1.00	44.07
14227	ŏ	LEU			-70.566	-2.567	-8.890	1.00	44.00
14228	N			269	-69.083	-4.114	-9.569	1.00	44.00
14229	CA			269	-70.101	-4.985	-10.159	1.00	44.30
14230	CB			269	-69.451	-6.166	-10.928	1.00	44.31
14231	CG1			269	-68.630	-7.021	-9.969	1.00	45.18
14232	CD1			269	-68.240	-8.361	-10.530	1.00	46.09
14233	CG2	ILE		269	-68.585		-12.087	1.00	43.57
14234	C	ILE		269	-71.072	-5.555	-9.131	1.00	44.44
14235	ō	ILE		269	-72.051	-6.214	-9.494	1.00	44.73
14236	N	GLY			-70.790	-5.345	-7.851	1.00	43.90
14237	CA	GLY		270	-71.658	-5.871	-6.818	1.00	43.72
14238	C	GLY			-71.495	-5.190	-5.475	1.00	43.60
14239	ŏ	GLY		270	-70.819	-4.167	-5.345	1.00	43.14
14240	N	ASP		271	-72.119	-5.775	-4.465	1.00	43.63
14241	CA	ASP			-72.050	-5.223	-3.128	1.00	43.31
14242	CB	ASP			-73.116	-5.842	-2.245	1.00	43.86
14243	CG	ASP		271	-74.481	-5.241	-2.505	1.00	44.75
14244		ASP		271	-74.521	-4.094	-3.004	1.00	45.20
14245	OD2	ASP		271	-75.550	-5.826	-2.246	1.00	45.69
14246	C	ASP			-70.660	-5.439	-2.585	1.00	42.91
14247	ō	ASP			-70.074	-6.490	-2.786	1.00	43.04
14248	N	HIS			-70.130	-4.427	-1.915	1.00	42.37
14249	CA	HIS		272	-68.750	-4.475	-1.460	1.00	41.96
14250	CB	HIS		272	-67.844	-4.054	-2.623	1.00	41.32
14251	CG	HIS			-68.232	-2.746	-3.240	1.00	38.55
14252		HIS			-69.211	-2.640	-4.203	1.00	34.97
14253	CE1	HIS		272	-69.344	-1.373	-4.556	1.00	34.24
14254	NE2	HIS			-68.491	-0.651	-3.851	1.00	35.77
14255	CD2	HIS			-67.781	-1.487	-3.021	1.00	36.40
14256	С	HIS			-68.518	-3.566	-0.255	1.00	42.07
14257	ō	HIS			-69.423	-2.842	0.172	1.00	42.07
14258	N			273	-67.300	-3.588	0.278	1.00	42.29
14259	CA	TYR	С	273	-66.963	-2.765	1.439	1.00	42.72
14260	CB	TYR		273	-66.970	-3.606	2.716	1.00	42.37
14261	CG			273	-68.138	-4.548	2.907	1.00	41.64
14262	CD1	TYR	С	273	-69.362	-4.080	3.368	1.00	41.07
14263	CE1	TYR	С	273	-70.424	-4.942	3.574	1.00	40.67
14264	CZ	TYR			-70.271	-6.290	3.330	1.00	40.24
14265	ОН	TYR		273	-71.343	-7.133	3.535	1.00	40.59
14266	CE2	TYR	С	273	-69.058	-6.788	2.884	1.00	40.36
14267	CD2	TYR	С	273	-67.999	-5.919	2.682	1.00	40.82
14268	С	TYR	С	273	-65.577	-2.124	1.355	1.00	43.60
14269	0	TYR	С	273	-64.675	-2.678	0.730	1.00	43.62
14270	N	LEU	С	274	-65.402	-0.970	1.994	1.00	44.77

FIGURE 3 JT

A	В	С	D	E	F	,	G	I	ł	I	J
14271	CA	LEU	С	274	-64.0	67	-0.416	2	.155	1.00	46.15
14272	CB	LEU		274	-64.1	14	1.092		.343	1.00	46.18
14273	CG	LEU	С	274	-62.7		1.700		.732	1.00	46.97
14274	CD1	LEU	С	274	-61.6	558	1.166	1	.829	1.00	47.57
14275	CD2	LEU		274	-62.8		3.229		702		47.38
14276	Ċ	LEU		274	-63.5		-1.092		422	1.00	47.02
14277	Ō	LEU		274	-64.1		-0.883	4	492	1.00	46.97
14278	N	CYS		275	-62.5		-1.930		317	1.00	48.36
14279	CA	CYS		275	-62.0		-2.649		506	1.00	50.35
14280	CB	CYS		275	-62.2		-4.153		.347	1.00	50.01
14281	SG	CYS			-61.3		-4.890		996	1.00	52.51
14282	С	CYS	С	275	-60.6	51	-2.360	4	956	1.00	51.53
14283	0	CYS	С	275	-60.1	47	-2.998	5	.888	1.00	52.17
14284	N	ASP	С	276	-59.9		-1.413	4	.297	1.00	52.41
14285	CA	ASP			-58.6		-1.032		702		53.27
14286	CB	ASP	C	276	-57.6	77	-2.175	4	511	1.00	53.57
14287	CG	ASP		276	-56.3		-1.848		074	1.00	54.87
14288	OD1	ASP		276	-55.3		-2.096		.365	1.00	56.47
14289	OD2	ASP		276	-56.1		-1.328		204	1.00	54.19
14290	C	ASP		276	-58.1		0.203		977	1.00	53.65
14291	Ō	ASP		276	-58.2		0.318		757	1.00	53.84
14292	N	VAL		277	-57.6		1.125		763	1.00	53.91
14293	CA	VAL		277	-57.1		2.371		273	1.00	54.34
14294	CB	VAL		277	-58.0		3.548		625	1.00	54.24
14295	CG1	VAL		277	-57.4		4.869		134	1.00	54.06
14296	CG2	VAL		277	-59.4		3.324		.048	1.00	54.19
14297	C	VAL		277	-55.7		2.574		958	1.00	54.98
14298	ō			277	-55.6		2.734		188	1.00	54.79
14299	N			278	-54.6		2.527		164	1.00	55.50
14300	CA	THR			-53.3		2.735		670	1.00	55.69
14301	CB	THR			-52.5		1.423		684	1.00	55.79
14302	OG1			278	-53.2		0.472		.523	1.00	55.96
14303	CG2	THR		278	-51.2		1.624		357	1.00	55.85
14304	C			278	-52.€		3.741		786	1.00	55.98
14305	ō	THR		278	-52.5		3.557		574	1.00	55.78
14306	N	TRP		279	-52.1		4.816		395	1.00	56.25
14307	CA			279	-51.3		5.828		674	1.00	56.54
14308	CB	TRP		279	-51.3		7.120		475	1.00	56.35
14309	CG	TRP		279	-52.4		8.091		107	1.00	55.30
14310	CD1	TRP		279	-53.5		8.416		838	1.00	53.48
14311	NE1	TRP		279	-54.2		9.373		.183	1.00	52.45
14312	CE2	TRP		279	-53.6		9.683		.004	1.00	53.78
14313	CD2	TRP		279	-52.4		8.897		928	1.00	54.42
14314	CE3	TRP		279	-51.6		9.031		.805	1.00	54.58
14315	CZ3	TRP		279	-52.0		9.938		821	1.00	53.93
14316	CH2	TRP		279	-53.1		10.694		927	1.00	53.45
14317	CZ2	TRP		279	-54.0		10.580		007	1.00	54.14
14318	C	TRP		279	-49.9		5.349		480	1.00	57.14
14319	Ö	TRP		279	-49.2		5.127		455	1.00	57.29
14320	N	ALA		280	-49.5		5.172		.227		57.66
14321	CA			280	-48.1		4.760		914		58.20

FIGURE 3 JU

A	В	С	D	Е	F	G	Н	1	J
14322	CB	ALA	c	280	-48.13	6 4.169	0.526	1.00	57.88
14323	C	ALA			-47.24				58.89
14324	0	ALA			-46.25				59.08
14325	N			281	-47.53			1.00	59.60
14326	CA	THR			-46.70				60.36
14327	CB	THR			-45.70			1.00	60.29
14328	OG1	THR			-46.28			1.00	60.03
14329	CG2	THR		281	-45.46			1.00	60.47
14330	C	THR			-47.48			1.00	60.88
14331	Ö	THR			-48.70			1.00	61.43
14332	N	GLN			-46.73			1.00	61.16
14333	CA	GLN			-47.34			1.00	61.59
14334	CB	GLN			-46.27				61.79
14335	CG	GLN			-45.42			1.00	
14336	CD	GLN			-46.25				65.36
14337	OE1	GLN		282	-45.76			1.00	65.87
14338	NE2	GLN		282	-47.52			1.00	65.20
14339	С	GLN		282	-48.31			1.00	61.32
14340	Ö	GLN			-49.24			1.00	61.40
14341	N	GLU			-48.10			1.00	61.05
14342	CA	GLU		283	-48.91			1.00	60.95
14343	CB	GLU			-48.18				61.02
14344	CG	GLU			-47.51			1.00	
14345	CD	GLU		283	-47.01				61.87
14346	OE1	GLU		283	-46.95				62.48
14347	OE2	GLU		283	-46.67			1.00	61.70
14348	Ċ	GLU		283	-49.27			1.00	60.60
14349	Ö	GLU		283	-49.79			1.00	60.67
14350	N	ARG			-48.98			1.00	60.31
14351	CA	ARG		284	-49.39			1.00	60.24
14352	CB	ARG			-48.18			1.00	60.38
14353	CG	ARG			-48.51			1.00	
14354	CD	ARG			-47.29			1.00	64.45
14355	NE	ARG			-47.02			1.00	66.08
14356	CZ	ARG	С	284	-45.90		7 -5.258	1.00	67.07
14357		ARG		284	-44.94			1.00	67.77
14358	NH2	ARG	С	284	-45.75	1 3.969	-6.549	1.00	67.48
14359	С	ARG	С	284	-50.35	4 6.789	-1.198	1.00	59.88
14360	0	ARG	С	284	-50.08		-0.006	1.00	59.99
14361	N	ILE	С	285	-51.47	9 6.205	-1.598	1.00	59.05
14362	CA	ILE	С	285	-52.47			1.00	58.17
14363	CB	ILE		285	-53.58			1.00	58.15
14364	CG1	ILE	С	285	-54.38	5 6.519	0.837	1.00	57.95
14365	CD1	ILE	С	285	-55.58	6 7.413	1.014	1.00	57.24
14366	CG2	ILE			-54.50	4 6.886		1.00	57.93
14367	С	ILE	С	285	-53.03			1.00	57.55
14368	0	ILE	С	285	-53.38	5 4.164	-2.213	1.00	57.33
14369	N	SER	С	286	-53.09	0 3.447	-0.102	1.00	56.84
14370	CA	SER	С	286	-53.55	7 2.086	-0.372	1.00	56.29
14371	CB	SER	С	286	-52.59		0.222	1.00	56.12
14372	OG	SER	С	286	-52.51	6 1.218	1.626	1.00	56.72

FIGURE 3 JV

A	В	C	D	Е	F	G	H	I	J
14373	С	SER	c	286	-54.957	1.842	0.172	1.00	55.84
14374	ō	SER		286	-55.284	2,240	1.290	1.00	55.91
14375	N			287	-55.769	1.162	-0.626	1.00	55.13
14376	CA	LEU		287	-57.155	0.907	-0.288	1.00	54.33
14377	CB	LEU		287	-58.076	1.754	-1.173	1.00	54.49
14378	CG	LEU		287	-58.644	3.098	-0.714	1.00	54.81
14379	CD1	LEU		287	-59.270	3.804	-1.904	1.00	54.83
14380	CD2	LEU		287	-57.608	4.013	-0.054	1.00	56.22
14381	C	LEU		287	-57.466	-0.544	-0.541	1.00	53.83
14382	ŏ	LEU		287	-57.085	-1.090	-1.570	1.00	53.38
14383	N	GLN		288	-58.152	-1.173	0.409	1.00	53.46
14384	CA	GLN			-58.595	-2.548	0.241	1.00	52.63
14385	CB	GLN			-58.025	-3.456	1.322	1.00	53.22
14386	CG	GLN			-56.586	-3.842	1.052	1.00	54.49
14387	CD	GLN		288	-56.334	-5.335	1.246	1.00	57.06
14388	OE1	GLN		288	-55.607	-5.726	2.159	1.00	55.92
14389	NE2	GLN			-56.933	-6.171	0.388	1.00	57.21
14390	С	GLN		288	-60.115	-2.596	0.208	1.00	51.78
14391	ŏ	GLN			-60.792	-1.917	0.992	1.00	51.73
14392	N	TRP		289	-60.638	-3.380	-0.730	1.00	50.66
14393	CA	TRP		289	-62.070	-3.483	-0.950	1.00	49.28
14394	CB			289	-62.453	-2.905	-2.320	1.00	48.86
14395	CG			289	-62.150	-1.443	-2.541	1.00	46.49
14396	CD1	TRP		289	-60.994	-0.910	-3.041	1.00	44.92
14397	NE1	TRP		289	-61.092	0.460	-3.118	1.00	42.33
14398	CE2	TRP		289	-62.324	0.844	-2.670	1.00	43.12
14399	CD2	TRP		289	-63.023	-0.330	-2.298	1.00	44.71
14400	CE3	TRP		289	-64.326	-0.202	-1.813	1.00	44.04
14401	CZ3	TRP		289	-64.884	1.068	-1.710	1.00	43.97
14402	CH2	TRP		289	-64.164	2.209	-2.083	1.00	44.51
14403	CZ2	TRP		289	-62.884	2.118	-2.567	1.00	43.61
14404	C			289	-62.454	-4.948	-0.881	1.00	49.19
14405	ō	TRP			-61.822	-5.794	-1.489	1.00	49.31
14406	N	LEU			-63.508	-5.238	-0.139	1.00	49.21
14407	CA	LEU		290	-63.944	-6.594	0.090	1.00	48.60
14408	CB	LEU		290	-64.100	-6.792	1.599	1.00	48.59
14409	CG	LEU			-63.826	-8.152	2.246	1.00	49.04
14410	CD1	LEU		290	-64.605	-8.255	3.553	1.00	47.77
14411	CD2	LEU		290	-64.197	-9.270	1.312	1.00	49.22
14412	С	LEU		290	-65.293	-6.758	-0.575	1.00	48.40
14413	Ō	LEU		290	-66.150	-5.885	-0.442	1.00	48.12
14414	N	ARG			-65.477	-7.860	-1.295	1.00	48.24
14415	CA	ARG		291	-66.765	-8.158	-1.896	1.00	49.00
14416	CB	ARG			-66.652	-9.306	-2.897	1.00	48.99
14417	CG	ARG			-66.392	-8.880	-4.335	1.00	49.44
14418	CD	ARG		291	-66.639	-10.001	-5.336	1.00	50.02
14419	NE	ARG			-66.123	-9.677	-6.661	1.00	50.57
14420	CZ	ARG		291	-65.444	-10.526	-7.417	1.00	50.24
14421	NH1	ARG		291	-65.011	-10.144	-8.609	1.00	51.60
14422	NH2	ARG		291	-65.196	-11.754	-6.981	1.00	48.39
14423	C	ARG		291	-67.718	-8.579	-0.797		49.32

FIGURE 3 JW

A	В	С	D	Е	F		G	Н		I	J
14424	0	ARG	С	291	-67.2	83 -	9.066	0.2	248	1.00	49.42
14425	N	ARG	С	292	-69.0		3.406	-1.0	26	1.00	49.72
14426	CA	ARG	С	292	-69.9		3.832	-0.0	34		49.95
14427	CB	ARG	С	292	-71.4	24 -8	3.540	-0.4	171	1.00	49.71
14428	CG	ARG			-72.3		3.432	0.7			50.13
14429	CD	ARG			-73.8		3.224	0.2		1.00	50.49
14430	NE	ARG			-74.7		3.583	1.3		1.00	50.03
14431	CZ	ARG			-75.7		7.764	1.7		1.00	50.25
14432	NH1	ARG			-76.5		3.146	2.7		1.00	49.95
14433	NH2	ARG			-75.8		5.554	1.2		1.00	49.66
14434	C	ARG			-69.7		311	0.2		1.00	50.22
14435	0	ARG			-69.9		789	1.3		1.00	50.41
14436	N			293	-69.4		1.052	-0.8		1.00	50.37
14437	CA			293		56 -12		-0.6		1.00	51.22
14438	CB			293		20 -13		-1.8		1.00	51.01
14439	CG1			293		06 -13		-2.2		1.00	52.32
14440	CD1			293		02 -14		-3.4		1.00	53.85
14441	CG2			293		82 -14		-1.5		1.00	50.54
14442	C			293		99 -12		-0.2		1.00	51.23
14443	-			293		33 -12 47 -12				1.00	51.38
14445	N CA	GLN GLN				47 -1. 48 -1:		1.0		1.00	51.66
14445	CB	GLN				48 -1. 99 -1:		3.1		1.00	51.50
14447	CG	GLN				31 -10		3.4		1.00	50.67
14448	CD	GLN				44 -10		4.8		1.00	50.57
14449	OE1			294		43 -10		5.7		1.00	48.42
14450	NE2					26 -10		5.1		1.00	50.20
14451	C	GLN				20 -12		1.3		1.00	52.57
14452	ŏ	GLN				89 -13		2.2		1.00	52.39
14453	N	ASN				84 -13		0.2		1.00	53.31
14454	CA	ASN				34 -14		-0.1		1.00	54.10
14455	CB	ASN				46 -15		-0.6		1.00	54.21
14456	CG	ASN				17 -15		-1.9		1.00	55.01
14457	OD1	ASN	С	295	-65.2	45 -14	4.438	-2.4	175	1.00	54.76
14458	ND2	ASN		295	-65.8	57 -16	5.593	-2.4		1.00	
14459	С	ASN	С	295	-62.9	04 -13	3.923	-1.2	211	1.00	54.26
14460	0	ASN	С	295	-62.1	72 -14	1.673	-1.8	356	1.00	54.15
14461	N	TYR	С	296	-62.9	43 -12	2.607	-1.3	394	1.00	54.51
14462	CA	TYR	С	296	-62.1	66 -13	1.957	-2.4	138	1.00	54.91
14463	CB	TYR	С	296	-62.9	51 -12	2.018	-3.7	144	1.00	54.96
14464	CG	TYR	С	296	-62.2	03 -1:	1.583	-4.9	996	1.00	55.31
14465	CD1	TYR				33 -12		-5.8		1.00	56.36
14466	CE1	TYR			-60.9		2.145	-7.0		1.00	56.44
14467	CZ			296	-60.8		808.0	-7.3		1.00	55.82
14468	OH	TYR				26 -10		-8.4		1.00	55.06
14469	CE2	TYR			-61.4		9.855	-6.5		1.00	55.37
14470	CD2	TYR				13 -10		-5.3		1.00	54.88
14471	С	TYR		296	-61.9		0.508	-2.0		1.00	55.31
14472	0	TYR		296	-62.8		9.725	-1.9		1.00	55.31
14473	N			297		54 -10		-1.9		1.00	56.14
14474	CA	SER	С	297	-60.3	23 -8	3.759	-1.6	50	1.00	57.08

FIGURE 3 JX

A	В	С	D	E		F		G		H	1	J
14475	CB	SER	c	297	-5	9.656	-8	.624	-0	.284	1 00	56.99
14476	OG	SER				8.256		.741		.402	1.00	57.32
14477	C			297		9.394		.250		.732	1.00	57.41
14478	0	SER				8.746		.038		.407	1.00	57.69
14479	N	VAL				9.348		.934		.903	1.00	58.11
14480	CA	VAL		298		8.458		.313		.873	1.00	58.76
14481	CB	VAL		298		9.208		.851		.134	1.00	58.70
14482	CG1	VAL		298		9.782		.035		.887	1.00	58.20
14483	CG2	VAL		298		8.272		.043		.032	1.00	58.65
14484	С	VAL		298		7.790		.085		.273	1.00	59.55
14485	Ō	VAL		298		8.458		.224		.692	1.00	59.52
14486	N			299		6.472		.996		.426	1.00	60.53
14487	CA	MET				5.732		.841		.939	1.00	61.43
14488	CB	MET	С	299	-5	4.404		.265		.299	1.00	61.43
14489	CG	MET	C	299		3.588		.093		.740		62.27
14490	SD	MET	C	299	-5	2.139	-3	.591	-0	.768	1.00	63.50
14491	CE	MET	Ċ	299		2.924		.583		.481	1.00	63.92
14492	C	MET	Ċ	299		5.480		.849		.070	1.00	62.24
14493	ō	MET	Ċ	299		5.001		.218		.142	1.00	62.05
14494	N	ASP	С	300	-5	5.823	-1	.590	-3	.828	1.00	63.35
14495	CA	ASP	С	300	-5	5.572	-0	.526	-4	.785	1.00	64.62
14496	CB	ASP	С	300	-5	6.854	0	.233	-5	.100	1.00	64.66
14497	CG	ASP		300		7.238		.136		.555	1.00	65.00
14498	OD1		С	300		7.940		.045		.043		65.37
14499	OD2	ASP	С	300	-5	6.880	-0	.812	-7	.283	1.00	65.18
14500	С	ASP	С	300	-5	4.534	0	.461	-4	.272	1.00	65.56
14501	0	ASP	С	300	-5	4.591	0	.902	-3	.128	1.00	65.55
14502	N	ILE	С	301	-5	3.586	0	.814	-5	.128	1.00	66.70
14503	CA	ILE	С	301	-5	2.578	1	.792	-4	.755	1.00	67.95
14504	CB	ILE	С	301	-5	1.176	1	.182	-4	.850	1.00	68.00
14505	CG1	ILE	С	301	-5	0.968	0	.198	-3	.694	1.00	68.09
14506	CD1	ILE	С	301	-5	0.287	-1	.091	-4	.094	1.00	68.21
14507	CG2	ILE	С	301	-5	0.120	2	.275	-4	.814	1.00	68.27
14508	C	ILE	С	301	-5	2.730	3	.001	-5	.657	1.00	68.62
14509	0	ILE	С	301	-5	2.661	2	.890	-6	.872	1.00	68.88
14510	N	CYS	С	302	-5	2.957	4	.155	-5	.052	1.00	69.66
14511	CA	CYS	С	302		3.219	5	.362	-5	.809	1.00	70.78
14512	CB	CYS	С	302	-5	4.618	5	.874	-5	.474	1.00	71.02
14513	SG	CYS		302		5.849		.561		.295	1.00	72.11
14514	С	CYS	С	302	-5	2.193	6	.446	-5	.524	1.00	71.37
14515	0	CYS	С	302	-5	1.959	6	.798	-4	.371	1.00	71.38
14516	N	ASP	С	303	-5	1.586	6	.973	-6	.583	1.00	72.29
14517	CA	ASP	С	303		0.606	8	.043	-6	.456	1.00	73.14
14518	CB		С	303		9.437		.831		.420	1.00	73.42
14519	CG	ASP		303		8.692		.532		.171	1.00	74.20
14520	OD1	ASP		303		9.189		.462		.587	1.00	75.36
14521	OD2	ASP		303		7.590		.490		.586	1.00	75.49
14522	С	ASP		303		1.274		.376		.760	1.00	73.50
14523	0	ASP		303		2.187		.448		.582	1.00	73.48
14524	N	TYR		304		0.829		.430		.090	1.00	74.11
14525	CA	TYR	С	304	-5	1.378	11	.755	-6	.342	1.00	74.88

FIGURE 3 JY

A	В	С	D	E		F		G	Н		I	J
14526	СВ	TYR	c	304	-5	1.098	12.	695	-5.	170	1.00	74.65
14527	CG	TYR		304		1.672		089	-5.		1.00	74.89
14528	CD1	TYR		304		3.040		309		278	1.00	75.03
14529	CE1	TYR		304		3.572		579	-5.		1.00	75.07
14530	CZ	TYR		304		2.737		655	-5.		1.00	75.03
14531	OH	TYR		304		3.276		918		765	1.00	74.20
14532	CE2	TYR		304		1.369		468	-5.		1.00	75.20
14533	CD2	TYR		304		0.845		187		537	1.00	75.32
14534	C	TYR		304		756		318		607	1.00	75.54
14535	ō	TYR		304		9.532		397		725	1.00	75.44
14536	N	ASP		305		1.602		694		559	1.00	76.52
14537	CA	ASP		305		1.126		292	-9.		1.00	77.39
14538	CB	ASP		305		2.033		904	-10.		1.00	77.39
14539	CG	ASP		305		1.512		404	-12.		1.00	78.00
14540		ASP		305		1.085		580	-12.		1.00	77.50
14541	OD2	ASP	Ċ	305	-53	1.492	12.	688	-13.		1.00	78.32
14542	C	ASP		305		1.074		810	-9.		1.00	77.83
14543	ō	ASP		305		2.108		483		674	1.00	77.69
14544	N	GLU		306		9.866		341		460	1.00	78.37
14545	CA	GLU		306		9.677		779	-9.		1.00	79.01
14546	CB	GLU		306		3.192		126	-9.		1.00	79.19
14547	CG	GLU		306		7.653		082	-7.		1.00	80.36
14548	CD	GLU		306		5.824		307		408	1.00	82.35
14549	OE1	GLU		306		5.628		334	-7.	777	1.00	82.84
14550	OE2	GLU	C	306	-4	7.375	19.	250	-6.	794	1.00	82.87
14551	C	GLU		306		306		627	-10.		1.00	79.06
14552	ō	GLU		306		726		762	-10.		1.00	78.86
14553	N	SER	С	307	-50	360	17.	074	-11.	585	1.00	79.18
14554	CA	SER	С	307	-50	0.917	17.	786	-12.	731	1.00	79.30
14555	CB	SER	С	307	-50	0.448	17.	143	-14.	041	1.00	79.47
14556	0G	SER	С	307	-51	1.240	16.	800	-14.	375	1.00	79.74
14557	C	SER	С	307	-52	2.439	17.	793	-12.	687	1.00	79.20
14558	0	SER	С	307	-53	3.067	18.	852	-12.	620	1.00	79.19
14559	N	SER	С	308	-50	3.020	16.	597	-12.	741	1.00	78.99
14560	CA	SER	С	308	-54	4.467	16.	424	-12.		1.00	78.74
14561	CB	SER	С	308	-54	4.816	14.	933	-12.	653	1.00	78.75
14562	OG	SER	С	308	-54	1.502	14.	263	-13.	860	1.00	79.19
14563	C	SER	С	308	-55	5.098	17.	119	-11.	513	1.00	78.50
14564	0	SER	С	308	-56	5.164	17.	732	-11.	624	1.00	78.44
14565	N	GLY	С	309	-54	4.418	17.	034	-10.	371	1.00	78.09
14566	CA	GLY	С	309	-54	1.973	17.	502	-9.	115	1.00	77.62
14567	C	GLY	С	309		.847	16.	336	-8.	694	1.00	77.27
14568	0	GLY	С	309	-56	5.798	16.	474	-7.	922	1.00	77.29
14569	N	ARG	С	310	-55	5.471	15.	170	-9.	215	1.00	76.75
14570	CA	ARG		310		5.234		938		097	1.00	76.29
14571	CB	ARG	С	310	-56	5.544	13.	446	-10.	510	1.00	76.67
14572	CG	ARG		310		7.716		506	-10.		1.00	77.82
14573	CD	ARG		310		3.190		440	-12.		1.00	80.25
14574	NE	ARG		310		3.131	13.	769	-12.		1.00	81.85
14575	CZ	ARG		310		3.417		032	-13.			82.78
14576	NH1	ARG	С	310	-58	3.789	13.	056	-14.	783	1.00	83.05

FIGURE 3 JZ

A	В	С	D	Е	F	G	H	I	J
14577	NH2	ARG	С	310	-58.3	31 15.2	78 -14.4	16 1.00	83.30
14578	С	ARG	С	310	-55.4	99 12.8	30 -8.3	50 1.00	75.51
14579	0	ARG	С	310	-54.4	13.0	28 -7.8	31 1.00	75.33
14580	N	TRP	С	311	-56.1	28 11.6	58 -8.3	24 1.00	74.65
14581	CA	TRP	С	311	-55.5	97 10.4	70 -7.6	73 1.00	73.84
14582	CB	TRP	С	311	-56.3	15 10.2	31 -6.3	45 1.00	73.24
14583	CG	TRP	С	311	-55.8	56 11.1	52 -5.2	75 1.00	70.69
14584	CD1	TRP	С	311	-56.4	14 12.3	52 -4.9	43 1.00	69.05
14585	NE1	TRP	С	311	-55.7			05 1.00	67.69
14586	CE2	TRP		311	-54.6				
14587	CD2	TRP		311	-54.7				
14588	CE3	TRP		311	-53.8				
14589	CZ3	TRP		311	-52.8				
14590	CH2	TRP		311	-52.8				
14591	CZ2	TRP		311	-53.7				
14592	С	TRP		311	-55.7				
14593	0	TRP		311	-56.9				
14594	N	ASN		312	-54.6				
14595	CA	ASN		312	-54.7				
14596	CB	ASN		312	-54.1				
14597	CG	ASN		312	-54.8				
14598	OD1	ASN		312	-55.9				
14599 14600	ND2	ASN ASN		312 312	-54.2 -54.2				
14600	C 0	ASN		312	-54.2				
14601	N		c	313	-55.1				
14602	CA	CYS		313	-54.7				
14604	CB	CYS		313	-55.8				
14605	SG	CYS		313	-56.7				
14606	C	CYS		313	-54.5				
14607	ō	CYS		313	-55.4				
14608	N	LEU		314	-53.3				
14609	CA	LEU		314	-52.9				
14610	CB	LEU	С	314	-51.4	54 1.6	91 -11.8	31 1.00	73.72
14611	CG	LEU		314	-50.8				
14612	CD1	LEU	С	314	-50.7	50 4.0	92 -11.6	51 1.00	74.86
14613	CD2	LEU	С	314	-51.6	79 3.2	02 -13.8	12 1.00	74.62
14614	С	LEU	С	314	-53.4	37 0.2	42 -11.4	54 1.00	73.50
14615	0	LEU	С	314	-53.1	36 -0.3	93 -10.4	33 1.00	73.75
14616	N	VAL	С	315	-54.0	96 -0.2	77 -12.4	87 1.00	73.13
14617	CA	VAL		315	-54.5				
14618	CB	VAL		315	-55.1				
14619	CG1	VAL		315	-55.3				
14620	CG2	VAL		315	-56.5				
14621	C	VAL		315	-53.3				
14622	0	VAL		315	-53.5				
14623	N	ALA		316	-52.2				
14624	CA	ALA		316	-51.0				
14625	CB	ALA		316	-49.9				
14626	С	ALA		316	-50.5		92 -11.1		
14627	0	ALA	C	316	-49.7	/υ -3.9	40 -10.7	30 1.00	71.34

FIGURE 3 KA

A	В	C	D	Е	F	G	Н	I	J
14628	N	ARG	c	317	-51.08	1 -2 15	9 -10.338	1.00	70.48
14629	CA	ARG		317	-50.72			1.00	69.90
14630	CB	ARG		317	-50.82				70.05
14631	CG	ARG		317	-50.08			1.00	70.18
14632	CD	ARG		317	-48.60			1.00	69.99
14633	NE	ARG		317	-48.15			1.00	70.37
14634	CZ	ARG		317	-46.94				70.67
14635	NH1	ARG		317	-46.64				70.79
14636	NH2	ARG		317	-46.04				70.73
14637	С	ARG		317	-51.64				69.33
14638	ō	ARG		317	-51.35				69.23
14639	N	GLN		318	-52.75				68.24
14640	CA	GLN		318	-53.72				67.00
14641	CB	GLN		318	-54.90			1.00	66.95
14642	CG	GLN		318	-56.04				66.42
14643	CD	GLN		318	-57.23	9 -4.00	9 -9.693	1.00	65.40
14644	OE1	GLN		318	-58.02				65.29
14645	NE2	GLN		318	-57.37				64.83
14646	С	GLN	С	318	-53.08	8 -5.53	30 -7.571	1.00	66.38
14647	0	GLN	С	318	-52.28			1.00	66.39
14648	N	HIS	С	319	-53.44	3 -5.90	3 -6.349	1.00	65.28
14649	CA	HIS	С	319	-53.00	7 -7.15	66 -5.767	1.00	64.24
14650	CB	HIS		319	-52.04				64.22
14651	CG	HIS	С	319	-50.72				63.32
14652	ND1	HIS	С	319	-50.47	4 -4.98	37 -5.018		62.54
14653	CE1	HIS	С	319	-49.23	4 -4.77	72 -5.420	1.00	62.04
14654	NE2	HIS	С	319	-48.67	2 -5.94	10 -5.674	1.00	62.83
14655	CD2	HIS	С	319	-49.58	2 -6.93	39 -5.424	1.00	62.88
14656	С	HIS	С	319	-54.26	8 -7.85	51 -5.296	1.00	63.78
14657	0	HIS	С	319	-55.20	0 -7.21	0 -4.804	1.00	63.69
14658	N	ILE	С	320	-54.31	.1 -9.16	53 -5.442	1.00	63.04
14659	CA	ILE	С	320	-55.50	8 -9.88	34 -5.066	1.00	62.66
14660	CB	ILE	С	320	-56.01	0 -10.73	37 -6.250	1.00	62.59
14661	CG1	ILE	С	320	-56.42		32 -7.410	1.00	62.72
14662	CD1	ILE	С	320	-56.90	5 -10.58	39 -8.650	1.00	62.92
14663	CG2	ILE	С	320	-57.15		35 -5.814		62.38
14664	C	ILE	С	320	-55.30				62.36
14665	0	ILE	С	320	-54.35	6 -11.54	13 -3.776	1.00	62.58
14666	N	GLU	С	321	-56.19				61.71
14667	CA	GLU		321	-56.19				61.58
14668	CB	GLU		321	-56.04				61.42
14669	CG	GLU		321	-55.74				61.79
14670	CD	GLU	С	321	-55.35				62.23
14671	OE1	GLU		321	-54.97				61.08
14672	OE2	GLU		321	-55.42				62.69
14673	C	GLU		321	-57.51				61.44
14674	0	GLU		321	-58.59				61.59
14675	N	MET		322		5 -13.58			60.93
14676	CA	MET	С	322	-58.60				60.65
14677	CB	MET	С	322	-58.80				60.72
14678	CG	MET	С	322	-59.66	3 -15.88	30 -3.816	1.00	61.69

FIGURE 3 KB

A	В	С	D	Е	F		G	Н	I	J
14679	SD	MET	С	322	-59.1	03	-16.592	-5.370	1.00	65.83
14680	CE	MET	С	322	-58.5	71	-15.104	-6.250	1.00	64.68
14681	C	MET	С	322	-58.4		-15.702	-1.204		60.20
14682	0		С	322			-16.007	-0.685		60.11
14683	N	SER		323	-59.5		-16.450	-1.105		59.52
14684	CA	SER		323	-59.5		-17.701	-0.374		58.94
14685	CB	SER		323			-17.455	1.080		58.92
14686	OG	SER		323			-18.644	1.845		59.19
14687	С	SER		323	-60.5		-18.632	-1.048		58.47
14688	0	SER		323	-61.6		-18.189	-1.536		58.18
14689	N	THR		324	-60.2		-19.921	-1.067		58.22
14690	CA	THR		324			-20.903	-1.749		58.08
14691	CB	THR		324	-60.2		-21.616	-2.823		58.38
14692	OG1	THR		324	-59.0		-22.130	-2.223		58.37
14693	CG2	THR		324	-59.7		-20.599	-3.832		57.98
14694	C	THR		324			-21.929	-0.788		57.73
14695	0	THR		324	-62.4		-22.789	-1.187		58.01
14696	N	THR		325			-21.830	0.479		57.33
14697	CA	THR		325			-22.697	1.536		56.80
14698	CB	THR		325	-60.6		-23.225	2.364		56.93
14699	OG1	THR		325			-22.120	2.753		56.79
14700	CG2	THR		325	-59.7		-24.066	1.499		57.13
14701	C	THR		325	-62.7		-21.882	2.434		56.16
14702	0	THR		325			-22.450	3.148 2.400		56.08
14703 14704	N	GLY		326			-20.556			55.15
14704	CA C	GLY GLY		326 326	-63.4		-19.713 -18.222	3.233 2.951		54.06 53.15
14705	0	GLY		326	-63.4		-18.222	1.815		53.15
14700	N	TRP		327	-63.5 -63.1		-17.449	4.001		51.92
14708	CA	TRP		327			-16.005	3.863		50.85
14709	CB	TRP		327			-15.366	4.993		50.43
14710	CG	TRP		327	-63.4		-15.641	6.357		47.77
14711	CD1	TRP		327	-62.6		-14.831	7.097		46.59
14712	NE1	TRP		327	-62.4		-15.406	8.318		46.11
14713	CE2	TRP		327			-16.615	8.381		46.40
14714	CD2	TRP		327			-16.790	7.164		45.95
14715	CE3	TRP		327			-17.954	6.984		45.56
14716	CZ3	TRP		327	-64.5		-18.887	7.996		45.26
14717	CH2	TRP		327	-63.8		-18.688	9.192		46.26
14718	CZ2	TRP		327	-63.0		-17.560	9.406		46.57
14719	C	TRP		327			-15.463	3.840		50.69
14720	0	TRP	С	327	-60.8	16	-16.207	4.030	1.00	51.11
14721	N	VAL	С	328	-61.6	40	-14.164	3.628	1.00	50.50
14722	CA	VAL	С	328	-60.3	14	-13.580	3.535	1.00	50.67
14723	CB	VAL		328	-60.1		-12.646	2.309		50.76
14724	CG1	VAL	С	328	-61.4	31	-11.816	2.136	1.00	51.20
14725	CG2	VAL	С	328	-58.9		-11.786	2.422	1.00	50.20
14726	C	VAL	С	328	-59.8	95	-12.853	4.796	1.00	50.73
14727	0	VAL	С	328			-11.853	5.188		51.04
14728	N	GLY		329			-13.359	5.420		50.69
14729	CA	GLY	С	329	-58.3	16	-12.780	6.647	1.00	50.34

FIGURE 3 KC

A	В	C	D	E	F	G	H	I	J
14730	С	GLY	С	329	-58.965	-13.429	7.851	1.00	50.30
14731	ō	GLY		329		-14.303	7.716		49.99
14732	N	ARG		330		-13.019	9.038		50.33
14733	CA	ARG		330	-59.147	-13.577	10.237		50.67
14734	CB	ARG		330	-58.247	-13.335	11.448		50.93
14735	CG	ARG		330	-56.997	-14.226	11.391	1.00	51.71
14736	CD	ARG		330	-56.341	-14.515	12.738	1.00	52.29
14737	NE	ARG		330		-13.724	12.736	1.00	53.20
14738	CZ	ARG		330		-14.186	12.697	1.00	52.11
14739	NH1	ARG		330		-13.381	12.851	1.00	51.07
14740	NH2	ARG				-15.450	12.338	1.00	51.36
14741				330		-13.430			
14741	C	ARG		330	-60.551	-13.016	10.407	1.00	50.42
					-61.517				
14743	N	PHE	C	331		-11.693	10.431	1.00	50.29
14744	CA		С	331	-61.981	-11.060	10.452		50.57
14745	CB	PHE	С	331		-10.347	11.779	1.00	50.22
14746	CG	PHE	С	331		-11.282	12.953	1.00	50.45
14747	CD1	PHE	С	331	-63.487	-11.959	13.248	1.00	50.48
14748	CE1	PHE	С	331	-63.551	-12.834	14.314	1.00	50.64
14749	CZ	PHE	С	331	-62.434	-13.042	15.099	1.00	51.01
14750	CE2	PHE	С	331	-61.253	-12.374	14.809	1.00	50.31
14751	CD2		С	331	-61.198	-11.507	13.741	1.00	49.57
14752	C	PHE		331	-62.082	-10.119	9.252		51.11
14753	0		С	331	-63.177	-9.807	8.779	1.00	50.96
14754	N	ARG		332	-60.917	-9.698	8.761		51.50
14755	CA	ARG		332	-60.807	-8.871	7.567	1.00	52.05
14756	CB	ARG		332	-61.194	-7.413	7.853		52.13
14757	CG	ARG		332	-60.272	-6.643	8.791	1.00	53.45
14758	CD	ARG		332	-61.021	-5.621	9.644	1.00	56.29
14759	NE	ARG		332	-62.130	-6.284	10.342	1.00	58.60
14760	CZ	ARG		332	-62.363	-6.215	11.651	1.00	58.73
14761	NH1	ARG		332	-61.596	-5.477	12.438		58.14
14762	NH2	ARG		332	-63.385	-6.879	12.172		59.72
14763	C	ARG	С	332	-59.394	-8.957	6.980		52.20
14764	0	ARG	С	332	-58.442	-9.343	7.668	1.00	51.62
14765	N	PRO	С	333	-59.277	-8.651	5.690	1.00	52.39
14766	CA	PRO	С	333	-57.977	-8.575	5.020	1.00	52.50
14767	CB	PRO	С	333	-58.293	-7.762	3.772	1.00	52.48
14768	CG	PRO	С	333	-59.696	-8.168	3.439	1.00	52.79
14769	CD	PRO	С	333	-60.394	-8.407	4.762	1.00	52.36
14770	C	PRO	С	333	-56.990	-7.822	5.889	1.00	52.82
14771	0	PRO	С	333	-57.359	-6.809	6.497	1.00	52.91
14772	N	SER	С	334	-55.754	-8.306	5.944	1.00	52.91
14773	CA	SER	С	334	-54.743	-7.715	6.808	1.00	53.30
14774	CB	SER	С	334	-53.532	-8.646	6.917	1.00	53.34
14775	OG	SER	С	334	-52.712	-8.294	8.018	1.00	54.15
14776	С	SER	С	334	-54.324	-6.342	6.302	1.00	53.54
14777	0	SER	С	334	-54.462	-6.046	5.117	1.00	53.24
14778	N	GLU	С	335	-53.840	-5.497	7.209	1.00	53.95
14779	CA	GLU	С	335	-53.382	-4.169	6.832	1.00	54.84
14780	СВ	GLU	С	335	-53.582	-3.161	7.970		54.79

FIGURE 3 KD

A	В	С	D	Е	F	G	H	I	J
14781	CG	GLU	С	335	-52.52	6 -3.173	9.074	1.00	55.64
14782	CD	GLU	С	335	-52.54			1.00	56.05
14783	OE1	GLU		335	-53.52	9 -5.203	9.903		55.12
14784	OE2	GLU		335	-51.55			1.00	57.44
14785	С	GLU	С	335	-51.92	1 -4.248	6.400	1.00	55.51
14786	0	GLU		335	-51.16			1.00	55.48
14787	N	PRO		336	-51.54			1.00	56.22
14788	CA	PRO	С	336	-50.18	6 -3.396	5 4.879	1.00	56.76
14789	CB	PRO	С	336	-50.44	3 -2.846	3.488	1.00	56.76
14790	CG	PRO	С	336	-51.42	5 -1.743	3.801	1.00	56.17
14791	CD	PRO	С	336	-52.40	1 -2.42	1 4.755	1.00	56.21
14792	С	PRO	С	336	-49.24			1.00	57.44
14793	0	PRO		336	-49.66				57.27
14794	N	HIS	С	337	-47.96	8 -2.78	7 5.640	1.00	58.37
14795	CA	HIS	С	337	-46.97	3 -1.896	6.234	1.00	59.44
14796	CB	HIS	С	337	-46.30	2 -2.54	1 7.440	1.00	59.29
14797	CG	HIS	С	337	-47.22	4 -2.719	8.601	1.00	60.00
14798	ND1	HIS	С	337	-48.05	4 -3.812	2 8.730	1.00	60.63
14799	CE1	HIS	С	337	-48.75	9 -3.69	9.840	1.00	61.42
14800	NE2	HIS	С	337	-48.42	2 -2.560	10.431	1.00	61.34
14801	CD2	HIS	С	337	-47.47	0 -1.928	9.671	1.00	60.58
14802	С	HIS		337	-45.96			1.00	59.88
14803	0	HIS	С	337	-45.14	6 -2.33	4.760	1.00	59.79
14804	N	PHE		338	-46.03			1.00	60.83
14805	CA	PHE	С	338	-45.19	9 0.22	3.647	1.00	61.83
14806	CB	PHE	С	338	-45.88	6 1.403	3 2.963	1.00	61.84
14807	CG	PHE	С	338	-47.18	2 1.04	2.305	1.00	62.19
14808	CD1	PHE	С	338	-48.38	7 1.24	2.957	1.00	61.45
14809	CE1	PHE	С	338	-49.57	6 0.90	7 2.350	1.00	62.03
14810	CZ	PHE	С	338	-49.57	2 0.333	3 1.087	1.00	62.44
14811	CE2	PHE	С	338	-48.38	1 0.12	0.430	1.00	63.09
14812	CD2	PHE	С	338	-47.19	4 0.47	7 1.039	1.00	63.13
14813	C	PHE	С	338	-43.79	2 0.629	9 4.046	1.00	62.61
14814	0	PHE	С	338	-43.58	5 1.302	2 5.059	1.00	62.69
14815	N	THR	С	339	-42.82	2 0.202	2 3.243	1.00	63.56
14816	CA	THR	С	339	-41.45	0 0.643	3.429	1.00	64.18
14817	CB	THR	С	339	-40.50	4 -0.08	7 2.470	1.00	64.13
14818	OG1	THR	С	339	-40.73	9 0.36	1.128	1.00	64.53
14819	CG2	THR	С	339	-40.84	1 -1.555	5 2.422	1.00	64.14
14820	С	THR	С	339	-41.46	5 2.12	3.104	1.00	64.46
14821	0	THR	С	339	-42.24	1 2.569	2.261	1.00	64.54
14822	N	LEU	С	340	-40.60	1 2.875	3.770	1.00	65.17
14823	CA	LEU	С	340	-40.51	7 4.32	3.625	1.00	65.83
14824	CB	LEU	С	340	-39.20	5 4.826	4.230	1.00	66.16
14825	CG	LEU	С	340	-38.91	6.328	3 4.240	1.00	66.50
14826	CD1	LEU	С	340	-40.02	7 7.11	1 4.935	1.00	67.20
14827	CD2	LEU	С	340	-37.58	0 6.568		1.00	67.69
14828	C	LEU		340	-40.67		2.209	1.00	66.08
14829	0	LEU		340	-41.34			1.00	66.20
14830	N	ASP	С	341	-40.06	3 4.226	1.220	1.00	66.47
14831	CA	ASP	С	341	-40.15	9 4.74	7 -0.142	1.00	66.83

FIGURE 3 KE

A	В	С	D	E	F	G	H	I	J
14832	CB	ASP	С	341	-39.072	4.165	-1.050	1.00	66.88
14833	CG	ASP	С	341	-39.254	2.686	-1.306	1.00	67.29
14834	OD1	ASP		341	-38.389	2.086	-1.981	1.00	67.46
14835	OD2	ASP		341	-40.232	2.041	-0.879	1.00	68.13
14836	C	ASP		341	-41.567	4.540	-0.709	1.00	67.00
14837	0	ASP		341	-42.017	5.279	-1.590	1.00	66.86
14838	N	GLY		342	-42.255	3.531	-0.180	1.00	67.15
14839	CA	GLY		342	-43.631	3.242	-0.546	1.00	67.47
14840	С	GLY		342	-43.832	2.363	-1.766	1.00	67.62
14841	0	GLY		342	-44.958	2.186	-2.228	1.00	67.62
14842	N	ASN		343	-42.750	1.812	-2.297	1.00	67.70
14843	CA	ASN		343	-42.856	0.967	-3.476	1.00	67.94
14844	CB	ASN		343	-41.730	1.290	-4.451	1.00	68.36
14845	CG	ASN		343	-41.353	2.761	-4.424	1.00	69.30
14846		ASN		343	-42.196	3.639	-4.640	1.00	70.24
14847	ND2		С	343	-40.088	3.039	-4.136	1.00	69.74
14848	С	ASN		343	-42.834	-0.497	-3.073	1.00	67.71
14849 14850	N	ASN SER		343	-42.850 -42.807	-1.399 -0.718	-3.915 -1.765	1.00	67.91 67.27
14850	CA	SER		344	-42.807	-2.054	-1.198	1.00	66.98
14852	CB	SER		344	-41.386	-2.493	-0.882	1.00	67.02
14853	OG	SER		344	-41.383	-3.483	0.127	1.00	66.88
14854	C	SER		344	-43.647	-2.057	0.127	1.00	66.84
14855	0	SER		344	-43.882	-1.004	0.671	1.00	66.80
14856	N	PHE		345	-44.101	-3.236	0.490	1.00	66.62
14857	CA	PHE	c	345	-44.883	-3.348	1.718	1.00	66.60
14858	CB		č	345	-46.257	-2.682	1.565	1.00	66.55
14859	CG	PHE		345	-47.204	-3.421	0.659	1.00	66.13
14860	CD1	PHE	č	345	-47.889	-4.536	1.105	1.00	66.16
14861	CE1	PHE	č	345	-48.764	-5.209	0.276	1.00	65.55
14862	CZ	PHE	Ċ	345	-48.974	-4.764	-1.008	1.00	65.27
14863	CE2		С	345	-48.308	-3.650	-1.464	1.00	66.07
14864	CD2	PHE	С	345	-47.431	-2.979	-0.630	1.00	66.28
14865	C	PHE	С	345	-45.040	-4.789	2.181	1.00	66.56
14866	0	PHE	С	345	-44.968	-5.718	1.379	1.00	66.80
14867	N	TYR	С	346	-45.255	-4.968	3.481	1.00	66.39
14868	CA	TYR	С	346	-45.433	-6.298	4.058	1.00	66.27
14869	CB	TYR	С	346	-44.439	-6.540	5.199	1.00	66.30
14870	CG	TYR	С	346	-42.979	-6.360	4.849	1.00	66.10
14871	CD1	TYR		346	-42.160	-7.457	4.635	1.00	66.33
14872	CE1	TYR		346	-40.823	-7.298	4.328	1.00	66.82
14873	CZ	TYR		346	-40.286	-6.030	4.237	1.00	66.97
14874	OH	TYR		346	-38.949	-5.870	3.920	1.00	67.38
14875	CE2	TYR		346	-41.082	-4.925	4.449	1.00	66.61
14876	CD2	TYR		346	-42.416	-5.095	4.758	1.00	65.95
14877	С	TYR		346	-46.841	-6.438	4.621	1.00	66.27
14878	0	TYR		346	-47.456	-5.446	5.031	1.00	66.28
14879	N	LYS		347	-47.342	-7.671	4.655	1.00	66.10
14880	CA	LYS	С	347	-48.659	-7.939	5.220	1.00	66.03
14881	CB	LYS		347	-49.759	-7.368	4.327	1.00	66.14
14882	CG	LYS	C	34/	-50.027	-8.200	3.100	1.00	66.48

FIGURE 3 KF

A	В	С	D	Е	F		G	H	I	J
14883	CD	LYS	С	347	-51.5	17 -	-8.351	2.866	1.00	66.66
14884	CE	LYS	С	347	-52.2	18 -	7.008	2.779	1.00	67.11
14885	NZ	LYS		347	-53.6		-7.213	2.633	1.00	67.50
14886	C	LYS		347	-48.9		-9.430	5.453	1.00	65.79
14887	0	LYS		347	-48.4		10.277	4.695		65.82
14888	N	ILE	С	348	-49.6		-9.738	6.502	1.00	65.44
14889	CA	ILE	С	348	-49.9		11.118	6.842	1.00	65.31
14890	CB	ILE	С	348	-50.4		11.223	8.312	1.00	65.30
14891	CG1	ILE	С	348	-49.3		10.980	9.297	1.00	65.22
14892	CD1	ILE	С	348	-49.3		9.614	9.940	1.00	64.91
14893	CG2	ILE	С	348	-51.1		12.582	8.564	1.00	64.62
14894	C	ILE	С	348	-51.0		1.684	5.924	1.00	65.15
14895	0	ILE	С	348	-52.1		11.109	5.797	1.00	65.21
14896	N	ILE	С	349	-50.7			5.282	1.00	65.19
14897	CA	ILE	С	349	-51.7		13.496	4.432		65.26
14898	CB	ILE	С	349	-51.5			2.943	1.00	65.13
14899	CG1	ILE	С	349	-50.1			2.511	1.00	64.92
14900 14901	CD1 CG2	ILE	C	349 349	-49.9 -51.8			1.030 2.646	1.00	64.34
14901	C	ILE	c	349	-51.6		14.993	4.617	1.00	65.53
14902	0	ILE	c	349	-50.6		15.467	5.153	1.00	65.52
14903	N	SER		350	-52.6			4.152	1.00	66.02
14905	CA	SER		350	-52.5		17.192	4.247	1.00	66.59
14906	CB	SER		350	-53.9			4.044	1.00	66.61
14907	OG	SER		350	-53.8		19.204	3.976	1.00	66.59
14908	C	SER		350	-51.6			3.200	1.00	67.03
14909	ŏ	SER		350	-51.1		17.017	2.298	1.00	67.24
14910	N	ASN		351	-51.2			3.316	1.00	67.27
14911	CA	ASN		351	-50.3			2.357	1.00	67.38
14912	CB	ASN		351	-48.9		19.826	2.973	1.00	67.28
14913	CG	ASN		351	-48.8		21.010	3.909	1.00	66.52
14914	OD1	ASN		351	-49.5	90 -2	21.999	3.721	1.00	65.01
14915	ND2	ASN	С	351	-48.0	31 -2	20.921	4.916	1.00	66.38
14916	C	ASN	С	351	-50.8	73 -2	20.921	1.748	1.00	67.65
14917	0	ASN	С	351	-52.0	49 -2	21.252	1.898	1.00	67.66
14918	N	GLU	С	352	-49.9		21.641	1.057	1.00	68.00
14919	CA	GLU		352	-50.3		22.875	0.396	1.00	68.26
14920	CB	GLU		352	-49.2		23.357	-0.532	1.00	68.64
14921	CG	GLU		352	-48.0		23.953	0.176	1.00	69.60
14922	CD	GLU		352	-47.2		22.926	0.922	1.00	70.82
14923	OE1	GLU		352	-46.3			1.723	1.00	71.80
14924	OE2	GLU		352	-47.4		21.706	0.709	1.00	70.61
14925	С	GLU		352	-50.7		23.930	1.430	1.00	68.05
14926	0	GLU		352	-51.5		24.812	1.170	1.00	68.26
14927	N	GLU		353	-50.1			2.606	1.00	67.86
14928	CA	GLU		353	-50.3		24.809	3.672	1.00	67.65
14929	CB	GLU		353	-49.0		25.161	4.419	1.00	67.87
14930 14931	CG CD	GLU	C	353 353	-48.1 -48.3		26.062	3.634 3.892	1.00	68.50 69.62
14931	OE1	GLU		353	-48.3			3.892	1.00	69.62
14932	OE2			353	-47.3			4.023		69.65
14223	UEZ	GTO	C	333	-49.5)4 -2	1.942	4.023	1.00	09.00

FIGURE 3 KG

A	В	С	D	Е		F	G	Н		I	J
14934	С	GLU	С	353	-51.	422	-24.278	4.6	29	1.00	67.08
14935	ō	GLU		353			-25.003	5.4			66.87
14936	N	GLY		354	-51.		-22.998	4.4		1.00	
14937	CA	GLY		354	-52.		-22.375	5.2			65.69
14938	С	GLY		354	-52.		-21.564	6.4			65.14
14939	0	GLY		354	-53.		-21.089	7.1			65.63
14940	N	TYR		355	-51.		-21.383	6.6		1.00	64.36
14941	CA	TYR		355	-50.		-20.623	7.8		1.00	63.70
14942	CB	TYR	С	355	-49.	549	-21.285	8.5	41	1.00	63.55
14943	CG	TYR		355	-49.	924	-22.646	9.0	84	1.00	63.58
14944	CD1	TYR	С	355	-50.	245	-23.688	8.2	26	1.00	62.90
14945	CE1	TYR		355	-50.		-24.928	8.7		1.00	
14946	CZ	TYR		355	-50.		-25.142	10.0			63.76
14947	OH	TYR	С	355	-51.	011	-26.383	10.5		1.00	64.11
14948	CE2	TYR	С	355	-50.	347	-24.121	10.9	41	1.00	63.99
14949	CD2	TYR	С	355	-49.	990	-22.880	10.4	49	1.00	63.60
14950	С	TYR	С	355	-50.	472	-19.184	7.4	62	1.00	63.29
14951	0	TYR	С	355	-50.	000	-18.895	6.3	68	1.00	63.27
14952	N	ARG	С	356	-50.	803	-18.276	8.3	67	1.00	62.80
14953	CA	ARG	С	356	-50.	681	-16.860	8.0	69	1.00	62.47
14954	CB	ARG	С	356	-51.	798	-16.077	8.7	66	1.00	62.13
14955	CG	ARG	С	356	-53.	127	-16.782	8.5	86	1.00	60.75
14956	CD	ARG	С	356	-54.	368	-16.005	8.9	51	1.00	57.23
14957	NE	ARG	С	356	-55.	511	-16.694	8.3	69	1.00	55.24
14958	CZ	ARG	С	356	-56.	241	-16.218	7.3	74	1.00	53.37
14959	NH1	ARG	С	356	-55.	978	-15.012	6.8	64	1.00	50.50
14960	NH2	ARG	С	356	-57.	245	-16.944	6.8	98	1.00	51.24
14961	С	ARG	С	356	-49.	292	-16.334	8.3	92	1.00	62.56
14962	0	ARG	С	356	-48.	883	-16.250	9.5	56	1.00	62.37
14963	N	HIS	С	357	-48.	562	-15.997	7.3	37	1.00	62.62
14964	CA	HIS	С	357	-47.	199	-15.524	7.4	96	1.00	62.90
14965	CB	HIS	С	357	-46.	203	-16.576	7.0	13	1.00	62.31
14966	CG	HIS	С	357	-46.	150	-17.783	7.8	92	1.00	60.17
14967	ND1	HIS	С	357	-45.	494	-17.787	9.1	03	1.00	58.55
14968	CE1	HIS	С	357	-45.	627	-18.972	9.6	70	1.00	58.54
14969	NE2	HIS	С	357	-46.	349	-19.737	8.8	70	1.00	58.37
14970	CD2	HIS	С	357	-46.	696	-19.013	7.7	55	1.00	58.71
14971	С	HIS	С	357	-46.	980	-14.201	6.8	01	1.00	63.76
14972	0	HIS	С	357	-47.	716	-13.837	5.8	79	1.00	63.54
14973	N	ILE	С	358	-45.	979	-13.471	7.2	75	1.00	64.84
14974	CA	ILE	С	358	-45.	676	-12.179	6.7	02	1.00	66.26
14975	CB	ILE	С	358	-44.	607	-11.448	7.5	17	1.00	65.95
14976	CG1	ILE	С	358	-45.	120	-11.189	8.9	33	1.00	66.20
14977	CD1	ILE	С	358	-44.	100	-10.576	9.8	67		65.33
14978	CG2	ILE	С	358	-44.	247	-10.138	6.8	41	1.00	65.73
14979	C	ILE		358			-12.369	5.2		1.00	67.47
14980	0	ILE	С	358	-44.	450	-13.288	4.9	67	1.00	67.57
14981	N	CYS	С	359			-11.516	4.3	89	1.00	69.11
14982	CA	CYS		359	-45.	241	-11.591	3.0	23	1.00	70.84
14983	CB	CYS		359			-12.095	2.1		1.00	70.96
14984	SG	CYS	С	359	-45.	668	-12.166	0.4	45	1.00	73.62

FIGURE 3 KH

A	В	C	D	E	F		G	H	I	J
14985	С	CYS		359	-44.70			2.513	1.00	71.46
14986	0	CYS		359	-45.21		.198	2.842	1.00	71.59
14987	N	TYR		360	-43.64		.354	1.710	1.00	72.46
14988	CA	TYR		360	-43.03		.181	1.115	1.00	73.46
14989	CB	TYR		360	-41.52		.371	0.985	1.00	73.67
14990	CG	TYR		360	-40.78		.135	0.549	1.00	74.14
14991	CD1	TYR		360	-40.28		.016	-0.741	1.00	74.81
14992	CE1	TYR		360	-39.60		.882	-1.137	1.00	75.14
14993	CZ	TYR		360	-39.41		.847	-0.238	1.00	75.23
14994	OH	TYR		360	-38.74		.711	-0.622	1.00	75.50
14995	CE2	TYR		360	-39.90		.944	1.044	1.00	75.19
14996	CD2	TYR		360	-40.58		.088	1.429	1.00	74.65
14997	С	TYR		360	-43.65		.940	-0.250	1.00	74.04
14998	0	TYR		360	-43.66		.823	-1.114	1.00	74.02
14999	N	PHE		361	-44.18		.738	-0.424	1.00	74.72
15000	CA	PHE		361	-44.81		.341	-1.666	1.00	75.53
15001	CB		С	361	-46.28		.970	-1.414	1.00	75.32
15002	CG	PHE		361	-47.23		.146	-1.357	1.00	75.18
15003	CD1	PHE	С	361	-47.85		.607	-2.504	1.00	75.00
15004	CE1		С	361	-48.73		.679	-2.457	1.00	74.71
15005	CZ	PHE		361	-49.01		.289	-1.254	1.00	74.46
15006	CE2	PHE		361	-48.40		.833	-0.099	1.00	75.01
15007	CD2	PHE		361	-47.52		.762	-0.153	1.00	74.85
15008	С	PHE		361	-44.10		.110	-2.215	1.00	76.21
15009	0	PHE		361	-43.59		.292	-1.459	1.00	76.39
15010	N	GLN		362	-44.07		.985	-3.534	1.00	77.02
15011	CA	GLN		362	-43.55		.778	-4.155	1.00	77.85
15012	CB	GLN		362	-42.23		.034	-4.883	1.00	78.01
15013	CG	GLN		362	-41.03		.401	-4.179	1.00	78.37
15014	CD	GLN		362	-39.84		.335	-4.085	1.00	78.51
15015	OE1	GLN		362	-38.80		.970	-3.523	1.00	79.17
15016	NE2	GLN		362	-39.98		.545	-4.616	1.00	78.28
15017	С	GLN		362	-44.59		.185	-5.081	1.00	78.28
15018	0	GLN		362	-45.18		.883	-5.908	1.00	78.29
15019	N	ILE		363	-44.82		.891	-4.914	1.00	78.94
15020	CA	ILE		363	-45.82		.141	-5.675	1.00	79.80
15021	CB	ILE		363	-45.52		.624	-5.530	1.00	79.78
15022	CG1		С	363	-45.90		.145	-4.130	1.00	79.68
15023	CD1	ILE		363	-47.25		.584	-3.695	1.00	79.04
15024	CG2	ILE		363	-46.24		.197	-6.569	1.00	79.98
15025	С	ILE		363	-46.00		.533	-7.156	1.00	80.30
15026	0	ILE		363	-46.97		.126	-7.782	1.00	80.38
15027	N	ASP		364	-45.11		.345	-7.710	1.00	80.94
15028	CA	ASP		364	-45.19		.666	-9.136	1.00	81.68
15029	CB	ASP		364	-43.93		.201	-9.857	1.00	81.66
15030	CG	ASP		364	-44.05		.795	-10.395	1.00	82.02
15031		ASP		364	-44.82		.609	-11.370	1.00	82.04
15032	OD2	ASP		364	-43.44		.819	-9.911	1.00	81.88
15033	С	ASP		364	-45.49		.109	-9.540	1.00	82.16
15034	0	ASP		364	-46.03			-10.623		82.07
15035	N	LYS	С	365	-45.14	8 -6	.072	-8.690	1.00	82.73

FIGURE 3 KI

A	В	С	D	E	F		G	H	I	J
15036	CA	LYS	С	365	-45.28	89	7.479	-9.065	1 00	83.29
15037	CB	LYS		365	-43.98		3.227	-8.806	1.00	83.44
15038	CG	LYS		365	-42.75		7.538	-9.376	1.00	84.51
15039	CD	LYS		365	-41.6		3.533	-9.512	1.00	86.86
15040	CE	LYS		365	-40.2		7.873	-9.311	1.00	87.71
15041	NZ	LYS		365	-39.22		3.880	-8.916	1.00	88.36
15042	С	LYS		365	-46.45		3.219	-8.411	1.00	83.34
15043	ŏ	LYS		365	-46.76		3.019	-7.235	1.00	83.50
15044	N	LYS		366	-47.0		.106	-9.183	1.00	83.35
15045	CA	LYS		366	-48.2		.844	-8.721	1.00	83.39
15046	CB	LYS		366	-49.00		.411	-9.910	1.00	83.60
15047	CG	LYS	С	366	-48.62	26 -11	.814	-10.355	1.00	84.31
15048	CD	LYS		366	-47.48	37 -11	1.797	-11.371	1.00	85.61
15049	CE	LYS		366	-47.18			-11.897	1.00	86.23
15050	NZ	LYS		366	-48.39			-12.470	1.00	86.15
15051	С	LYS	С	366	-47.9	11 -10	.962	-7.725	1.00	83.10
15052	0	LYS	С	366	-48.84	18 -11	.444	-7.045	1.00	83.31
15053	N	ASP	С	367	-46.68	35 -11	.381	-7.615	1.00	82.61
15054	CA	ASP	С	367	-46.43	9 -12	2.516	-6.734	1.00	82.00
15055	CB	ASP	С	367	-46.00	2 -13	3.772	-7.508	1.00	82.19
15056	CG	ASP	С	367	-47.19	94 -14	1.657	-7.854	1.00	82.72
15057	OD1	ASP	С	367	-48.23	36 -14	1.113	-8.284	1.00	83.37
15058	OD2	ASP	С	367	-47.19	0 -15	.901	-7.718	1.00	82.87
15059	C	ASP	С	367	-45.5	79 -12	2.312	-5.479	1.00	81.38
15060	0	ASP	С	367	-44.3	78 -12	2.034	-5.507	1.00	81.42
15061	N	CYS	С	368	-46.25	92 -12	.472	-4.377	1.00	80.38
15062	CA	CYS	С	368	-45.80	7 -12	2.363	-3.024	1.00	79.24
15063	CB	CYS	С	368	-47.03	32 -12	2.575	-2.134	1.00	79.05
15064	SG	CYS	С	368	-46.7	12 -13	3.495	-0.629	1.00	77.56
15065	С	CYS	С	368	-44.72	21 -13	3.385	-2.660	1.00	78.87
15066	0	CYS	С	368	-44.68			-3.196	1.00	78.67
15067	N	THR		369	-43.83		3.000	-1.745	1.00	78.25
15068	CA	THR		369	-42.83		3.914	-1.221	1.00	77.82
15069	CB	THR		369	-41.40			-1.732	1.00	77.94
15070	OG1	THR		369	-40.42		1.081	-0.842	1.00	77.58
15071	CG2	THR		369	-41.18			-1.653	1.00	78.12
15072	С	THR		369	-42.86			0.310	1.00	77.36
15073	0	THR		369	-42.68			0.953	1.00	77.28
15074	N	PHE		370	-43.10			0.887	1.00	76.69
15075	CA	PHE		370	-43.25		.235	2.338	1.00	76.14
15076	CB	PHE	С	370	-43.9		5.542	2.675	1.00	76.21
15077	CG	PHE	С	370	-45.3		6.628	2.130	1.00	76.75
15078	CD1	PHE		370	-46.35		.777	2.593	1.00	76.78
15079	CE1	PHE	С	370	-47.6		.858	2.100	1.00	77.24
15080	CZ		С	370	-47.95		5.789	1.129	1.00	77.79
15081	CE2	PHE	С	370	-46.98			0.660	1.00	77.95
15082	CD2	PHE		370	-45.69			1.161	1.00	77.40
15083	С	PHE		370	-41.93			3.100	1.00	75.59
15084	0	PHE		370	-41.00			2.905	1.00	75.56
15085	N	ILE		371	-41.78		1.197	3.987	1.00	75.00
15086	CA	ILE	С	371	-40.55	3 -14	1.074	4.774	1.00	74.48

FIGURE 3 KJ

A	В	C	D	Е		F	G	H	I	J
15087	CB	ILE	c	371	-40.	224	-12.604	5.080	1.00	74.45
15088	CG1	ILE		371	-41.		-12.081	6.237	1.00	74.44
15089	CD1	ILE		371	-40.		-10.690	6.691	1.00	73.38
15090	CG2	ILE		371	-40.		-11.753	3.840	1.00	74.48
15091	С	ILE		371	-40.		-14.910	6.062	1.00	74.18
15092	0	ILE		371	-39.		-14.971	6.765	1.00	74.17
15093	N	THR		372	-41.		-15.541	6.368	1.00	73.78
15094	CA	THR		372	-41.		-16.474	7.491	1.00	73.26
15095	CB	THR		372	-42.		-15.824	8.737	1.00	73.15
15096	OG1	THR		372	-43.		-15.007	8.343	1.00	73.10
15097	CG2	THR		372	-41.		-14.838	9.395	1.00	72.71
15098	C	THR		372	-42.		-17.682	7.046	1.00	73.15
15099	ō	THR		372	-43.		-17.617	6.048	1.00	73.30
15100	N	LYS		373	-42.		-18.783	7.780	1.00	72.86
15101	CA	LYS		373	-43.		-19.997	7.470	1.00	72.65
15102	CB	LYS	C	373	-42.	706	-20.661	6.196	1.00	72.82
15103	CG	LYS		373	-42.		-22.185	6.182	1.00	73.44
15104	CD	LYS		373	-41.		-22.784	6.853	1.00	74.34
15105	CE	LYS		373	-41.		-24.304	6.916	1.00	74.49
15106	NZ	LYS		373	-40.		-24.867	7.718	1.00	74.69
15107	C	LYS		373	-43.		-20.958	8.655	1.00	72.30
15108	ō	LYS		373	-42.		-20.710	9.651	1.00	72.41
15109	N	GLY		374	-43.		-22.041	8.560	1.00	71.83
15110	CA	GLY		374	-44.		-23.018	9.634	1.00	71.28
15111	C	GLY	С	374	-45.	459	-23.178	10.180	1.00	70.87
15112	0	GLY		374	-46.	300	-22.297	10.010	1.00	70.98
15113	N	THR		375	-45.		-24.297	10.850	1.00	70.35
15114	CA	THR		375	-47.		-24.575	11.379	1.00	69.61
15115	CB	THR		375	-47.		-26.072	11.641	1.00	69.71
15116	OG1	THR	С	375	-46.	343	-26.482	12.688	1.00	70.00
15117	CG2	THR	С	375	-46.	773	-26.879	10.431	1.00	69.74
15118	С	THR	С	375	-47.	392	-23.773	12.633	1.00	69.01
15119	0	THR	С	375	-47.	752	-24.331	13.673	1.00	68.90
15120	N	TRP	С	376	-47.	248	-22.459	12.516	1.00	68.03
15121	CA	TRP	С	376	-47.	659	-21.514	13.541	1.00	67.27
15122	CB	TRP	С	376	-46.	492	-21.080	14.432	1.00	67.25
15123	CG	TRP	С	376	-45.	221	-20.789	13.707	1.00	67.49
15124	CD1	TRP	С	376	-44.	318	-21.700	13.240	1.00	67.72
15125	NE1	TRP	С	376	-43.	264	-21.055	12.639	1.00	67.99
15126	CE2	TRP	С	376	-43.	468	-19.704	12.713	1.00	67.87
15127	CD2	TRP	С	376	-44.	689	-19.500	13.386	1.00	67.80
15128	CE3	TRP	С	376	-45.	123	-18.188	13.596	1.00	68.37
15129	CZ3	TRP	С	376	-44.	338	-17.143	13.137	1.00	69.05
15130	CH2	TRP	С	376	-43.	129	-17.381	12.475	1.00	68.72
15131	CZ2	TRP	С	376	-42.	680	-18.652	12.251	1.00	68.56
15132	С	TRP	С	376	-48.	247	-20.340	12.772	1.00	66.68
15133	0	TRP	С	376	-48.	629	-20.503	11.614	1.00	66.63
15134	N	GLU	С	377	-48.	329	-19.165	13.385	1.00	65.79
15135	CA	GLU	С	377	-48.	887	-18.012	12.678	1.00	64.99
15136	CB	GLU	С	377	-50.	419	-18.010	12.746	1.00	64.86
15137	CG	GLU	С	377	-51.	109	-18.870	11.705	1.00	64.15

FIGURE 3 KK

A	В	С	D	Е	F	G	H	I	J
15138	CD	GLU	c	377	-52.598	-18.594	11.611	1.00	63.47
15139	OE1	GLU		377	-53.272	-19.248	10.792		62.60
15140	OE2	GLU		377		-17.719	12.351		63.07
15141	C	GLU		377	-48.381	-16.689	13.209	1.00	64.51
15142	ō	GLU		377		-16.556	14.388		64.50
15143	N	VAL		378	-48.299		12.321	1.00	64.08
15144	CA	VAL		378	-47.929		12.710	1.00	63.89
15145	CB	VAL		378		-13.617	11.563	1.00	63.89
15146	CG1	VAL	č	378		-12.223	12.004	1.00	64.19
15147	CG2	VAL		378	-46.029	-14.377	11.089	1.00	64.23
15148	C	VAL		378		-13.640	13.083	1.00	63.81
15149	ō	VAL		378		-13.555	12.279	1.00	63.51
15150	N	ILE		379	-49.281	-13.137	14.307	1.00	63.71
15151	CA	ILE	С	379	-50.478	-12.447	14.751	1.00	63.80
15152	CB	ILE	C	379		-12.332	16.275	1.00	63.89
15153	CG1	ILE	C	379		-13.676	16.922	1.00	63.72
15154	CD1	ILE	Ċ	379	-51.032	-14.813	16.502	1.00	63.32
15155	CG2	ILE	Ċ	379	-51.863	-11.835	16.732	1.00	63.72
15156	С	ILE	С	379	-50.597	-11.068	14.113	1.00	63.94
15157	0	ILE	С	379	-51.646	-10.711	13.578	1.00	63.80
15158	N	GLY	С	380	-49.517	-10.296	14.160	1.00	64.02
15159	CA	GLY	С	380	-49.534	-8.968	13.578	1.00	64.29
15160	С	GLY		380	-48.179	-8.302	13.415	1.00	64.54
15161	0	GLY	С	380	-47.232	-8.570	14.162	1.00	64.54
15162	N	ILE	С	381	-48.089	-7.428	12.421	1.00	64.57
15163	CA	ILE	С	381	-46.873	-6.676	12.192	1.00	64.84
15164	CB	ILE	С	381	-46.717	-6.344	10.707	1.00	64.72
15165	CG1	ILE	С	381	-46.552	-7.631	9.899	1.00	64.80
15166	CD1	ILE	С	381	-46.571	-7.435	8.394	1.00	64.65
15167	CG2	ILE	С	381	-45.519	-5.436	10.498	1.00	64.95
15168	C	ILE	С	381	-46.907	-5.421	13.059	1.00	65.21
15169	0	ILE	С	381	-47.781	-4.563	12.907	1.00	65.15
15170	N	GLU	С	382	-45.956	-5.329	13.979	1.00	65.60
15171	CA	GLU	С	382	-45.921	-4.231	14.935	1.00	66.17
15172	CB	GLU	С	382	-45.389	-4.731	16.278	1.00	66.09
15173	CG	GLU	С	382	-46.177	-5.902	16.839	1.00	65.95
15174	CD	GLU	С	382	-47.639	-5.561	17.052	1.00	65.14
15175	OE1	GLU	С	382	-48.503	-6.320	16.566	1.00	65.03
15176	OE2	GLU	С	382	-47.920	-4.529	17.700	1.00	64.58
15177	С	GLU	С	382	-45.093	-3.047	14.464	1.00	66.69
15178	0	GLU	С	382	-45.406	-1.896	14.773	1.00	66.74
15179	N	ALA	С	383	-44.029	-3.327	13.726	1.00	67.53
15180	CA	ALA	С	383	-43.170	-2.266	13.233	1.00	68.34
15181	CB	ALA		383	-42.480	-1.559	14.388	1.00	68.30
15182	C	ALA		383	-42.145	-2.820	12.270	1.00	69.06
15183	0	ALA		383	-41.887	-4.025	12.243	1.00	68.99
15184	N	LEU		384	-41.574	-1.931	11.466	1.00	70.07
15185	CA	LEU		384	-40.537	-2.322	10.529	1.00	71.18
15186	CB	LEU		384	-41.134	-2.985	9.283	1.00	71.08
15187	CG	LEU		384	-41.598	-2.215	8.050	1.00	70.73
15188	CD1	LEU	С	384	-42.255	-0.893	8.410	1.00	71.00

FIGURE 3 KL

A	В	C	D	Е	F	G	H	I	J
15189	CD2	LEU	c	384	-40.432	-2.013	7.115	1.00	70.62
15190	C	LEU		384	-39.638	-1.147	10.175	1.00	72.11
15191	0	LEU		384	-40.065	0.013	10.174	1.00	72.11
15192	N	THR		385	-38.375	-1.459	9.908	1.00	73.22
15193	CA	THR		385	-37.399	-0.450	9.537	1.00	74.09
15194	CB	THR		385	-36.324	-0.313	10.622	1.00	74.18
15195	OG1	THR		385	-35.765	-1.604	10.900	1.00	74.54
15196	CG2	THR		385	-36.942	0.105	11.952	1.00	74.19
15197	C	THR		385	-36.739	-0.886	8.250	1.00	74.71
15198	ŏ	THR		385	-37.142	-1.878	7.633	1.00	74.71
15199	N	SER		386	-35.714	-0.141	7.852	1.00	75.39
15200	CA	SER		386	-34.951	-0.481	6.666	1.00	75.74
15201	CB	SER		386	-33.885	0.581	6.409	1.00	75.89
15202	OG	SER		386	-33.049	0.745	7.543	1.00	76.23
15203	С	SER		386	-34.299	-1.844	6.871	1.00	75.84
15204	0	SER		386	-34.289	-2.679	5.965	1.00	75.99
15205	N	ASP		387	-33.787	-2.070	8.080	1.00	75.87
15206	CA	ASP		387	-33.075	-3.304	8.412	1.00	75.91
15207	CB	ASP	С	387	-31.965	-3.012	9.423	1.00	75.99
15208	CG	ASP	С	387	-30.943	-2.022	8.902	1.00	76.35
15209	OD1	ASP	С	387	-30.150	-2.397	8.007	1.00	76.07
15210	OD2	ASP	С	387	-30.858	-0.851	9.335	1.00	76.17
15211	С	ASP		387	-33.956	-4.409	8.986	1.00	75.86
15212	0	ASP		387	-33.943	-5.543	8.504	1.00	75.84
15213	N	TYR	С	388	-34.710	-4.071	10.028	1.00	75.74
15214	CA	TYR	С	388	-35.521	-5.052	10.742	1.00	75.46
15215	CB	TYR	С	388	-35.201	-4.996	12.238	1.00	75.65
15216	CG	TYR	С	388	-33.825	-5.486	12.616	1.00	76.32
15217	CD1	TYR	С	388	-32.846	-4.601	13.056	1.00	76.99
15218	CE1	TYR	С	388	-31.584	-5.046	13.417	1.00	77.33
15219	CZ	TYR	С	388	-31.291	-6.394	13.340	1.00	77.96
15220	OH	TYR	С	388	-30.037	-6.857	13.690	1.00	77.89
15221	CE2	TYR	С	388	-32.254	-7.289	12.909	1.00	77.82
15222	CD2	TYR	С	388	-33.508	-6.834	12.550	1.00	76.98
15223	C	TYR	С	388	-37.026	-4.869	10.578	1.00	74.96
15224	0	TYR	С	388	-37.511	-3.766	10.309	1.00	75.20
15225	N	LEU	С	389	-37.750	-5.972	10.746	1.00	74.08
15226	CA	LEU	С	389	-39.207	-5.977	10.767	1.00	73.25
15227	CB	LEU	С	389	-39.778	-6.765	9.582	1.00	73.17
15228	CG	LEU	С	389	-41.282	-7.089	9.609	1.00	73.03
15229	CD1	LEU	С	389	-42.102	-5.935	9.072	1.00	73.08
15230	CD2	LEU	С	389	-41.589	-8.335	8.808	1.00	72.28
15231	C	LEU		389	-39.594	-6.648	12.082	1.00	72.63
15232	0	LEU		389	-39.166	-7.765	12.362	1.00	72.66
15233	N	TYR		390	-40.388	-5.971	12.898	1.00	71.77
15234	CA	TYR		390	-40.778	-6.532	14.181	1.00	71.08
15235	CB	TYR		390	-40.611	-5.495	15.283	1.00	71.26
15236	CG	TYR		390	-39.202	-4.979	15.456	1.00	71.69
15237	CD1	TYR		390	-38.352	-5.537	16.399	1.00	72.61
15238	CE1	TYR		390	-37.063	-5.063	16.574	1.00	73.10
15239	CZ	TYR	С	390	-36.610	-4.017	15.802	1.00	73.31

FIGURE 3 KM

A	В	C	D	E		F	G	H	I	J
15240	ОН	TYR	c	390	_	35.328	-3.552	15.981	1.00	74.22
15241	CE2	TYR		390		37.437	-3.442	14.857	1.00	72.86
15241	CD2	TYR		390		38.726	-3.922	14.692	1.00	72.23
15242	C	TYR		390		42.222	-7.014	14.153	1.00	70.54
15243	0	TYR		390		43.129	-6.248	13.827	1.00	70.53
15244	N	TYR		391		42.433	-8.280	14.505	1.00	69.72
15245	CA	TYR		391		42.433 43.770	-8.862	14.505	1.00	68.92
15246	CB	TYR		391		43.770	-9.684	13.244		
15247	CG	TYR		391		43.955	-11.002	13.244	1.00	68.70 68.25
15249	CD1	TYR		391		43.231	-12.136	13.805		67.77
15250	CE1	TYR				43.023		13.813		67.68
15251	CZ			391		43.137	-13.430	13.256	1.00	
15251	OH	TYR		391 391		41.228	-14.637	13.262		68.06 67.59
15253 15254	CE2 CD2	TYR		391 391		41.301 41.982	-12.318 -11.111	12.693 12.694		67.91 68.53
		TYR								
15255	С	TYR		391		44.015	-9.749	15.733		68.50
15256	0	TYR		391		43.085	-10.115	16.442		68.48
15257	N	ILE		392		45.280	-10.090	15.971		67.95
15258	CA	ILE	С	392		45.644	-10.989	17.060		67.42
15259	CB	ILE		392		46.625	-10.305	18.021		67.47
15260	CG1	ILE	С	392		45.847	-9.569	19.109		67.27
15261	CD1	ILE		392		46.609	-8.451	19.751		67.55
15262	CG2	ILE		392		47.575	-11.322	18.647		67.28
15263	C		С	392		46.238	-12.254	16.462		67.12
15264	0	ILE		392		46.812	-12.214	15.379		67.16
15265	N	SER		393			-13.379	17.147		66.70
15266	CA	SER		393			-14.640	16.626		66.57
15267	CB	SER		393			-15.151	15.503		66.66
15268	OG	SER		393			-15.548	16.003	1.00	67.01
15269	С	SER		393		46.703		17.717		66.31
15270	0	SER		393			-15.438	18.871		66.19
15271	N	ASN		394			-16.888	17.348		66.35
15272	CA	ASN		394		47.292	-17.972	18.319		66.39
15273	CB	ASN		394			-18.444	18.407		66.16
15274	CG	ASN		394			-18.846	17.066		65.56
15275	OD1	ASN		394		48.593		16.086		65.23
15276	ND2	ASN		394			-19.040	17.016		65.22
15277	С	ASN		394			-19.157	18.052		66.50
15278	0	ASN		394		46.687	-20.300	18.368	1.00	
15279	N	GLU		395		45.185	-18.875	17.482		66.64
15280	CA	GLU		395		44.230	-19.924	17.142		66.67
15281	CB	GLU		395		43.072	-19.370	16.307		66.82
15282	CG	GLU		395		42.122	-20.459	15.822		67.70
15283	CD	GLU		395		40.949		15.020		68.12
15284	OE1	GLU		395		40.322	-20.728	14.288		68.71
15285	OE2	GLU		395		40.651	-18.723	15.121		68.27
15286	C	GLU		395		43.671	-20.641	18.362		66.42
15287	0	GLU		395		43.648	-21.873	18.412		66.27
15288	N	TYR		396		43.225		19.342		66.28
15289	CA	TYR		396			-20.436	20.531		66.48
15290	CB	TYR	С	396	-	42.505	-19.408	21.659	1.00	66.75

FIGURE 3 KN

A	В	С	D	E		F	G	H	I	J
15291	CG	TYR		396			-19.826	22.736	1.00	67.82
15292	CD1	TYR		396		.874	-19.764	24.081	1.00	68.27
15293	CE1	TYR		396		.981	-20.158	25.063	1.00	69.27
15294	CZ	TYR		396		.731	-20.626	24.704	1.00	69.93
15295	OH	TYR		396		.833	-21.021	25.674	1.00	70.35
15296	CE2	TYR		396		.372	-20.701	23.373	1.00	69.62
15297	CD2	TYR		396		.269	-20.305	22.401	1.00	68.57
15298	С	TYR		396		.299	-21.704	21.019	1.00	66.20
15299	0	TYR		396		.528	-21.795	21.038	1.00	66.42
15300	N	LYS		397		.488	-22.691	21.384	1.00	65.75
15301	CA	LYS		397		.971	-23.970	21.900	1.00	65.28
15302	CB	LYS		397		.252	-23.873	23.400	1.00	65.42
15303	CG	LYS		397		.018	-23.960	24.289	1.00	65.46
15304 15305	CD	LYS		397 397		.305	-23.373	25.669	1.00	66.31
	CE NZ	LYS	C	397		.350	-23.920 -24.025	26.725 26.215	1.00	66.99 67.31
15306 15307	C	LYS		397		.204	-24.025	21.186	1.00	64.87
15307	Ö	LYS		397		.865	-25.410	21.688	1.00	64.77
15309	N	GLY		398		.513	-23.939	20.021	1.00	64.29
15310	CA	GLY		398		.661	-24.389	19.254	1.00	63.76
15311	C	GLY		398		.945	-24.313	20.057	1.00	63.30
15311	0	GLY		398		.739	-25.256	20.037	1.00	63.47
15313	N	MET	c	399		.133	-23.188	20.738	1.00	62.72
15314	CA	MET	c	399		.319	-22.965	21.547	1.00	61.97
15315	CB	MET	c	399		.931	-22.537	22.963	1.00	61.89
15316	CG	MET	č	399		.667	-23.173	23.498	1.00	62.45
15317	SD	MET	č	399		.535	-23.090	25.306	1.00	62.64
15318	CE	MET	Ċ	399		.375	-24.588	25.754	1.00	62.36
15319	С	MET	С	399	-49	.156	-21.867	20.902	1.00	61.45
15320	0	MET	С	399	-48	.801	-20.691	20.967	1.00	61.30
15321	N	PRO	С	400	-50	.255	-22.252	20.266	1.00	60.94
15322	CA	PRO	С	400	-51	.156	-21.294	19.612	1.00	60.42
15323	CB	PRO	С	400	-52	.332	-22.169	19.192	1.00	60.57
15324	CG	PRO	С	400	-51	.728	-23.522	19.009	1.00	60.79
15325	CD	PRO	С	400	-50	.699	-23.644	20.094	1.00	60.71
15326	C	PRO		400		.633	-20.192	20.552	1.00	60.01
15327	0	PRO		400		.817	-19.057	20.123	1.00	59.89
15328	N	GLY		401		.821	-20.524	21.825	1.00	59.54
15329	CA	GLY		401		.283	-19.561	22.806	1.00	58.92
15330	С	GLY		401		.167	-18.736	23.410	1.00	58.69
15331	0	GLY		401		.384	-17.964	24.340	1.00	58.61
15332	N	GLY		402		.960	-18.906	22.889	1.00	58.52
15333	CA	GLY		402		.831	-18.135	23.358	1.00	58.25
15334	C	GLY		402		.493	-17.041	22.373	1.00	58.21
15335	0	GLY		402		.727	-17.185	21.175	1.00	57.66
15336	N CA	ARG		403		.940 .571	-15.947 -14.794	22.885	1.00	58.56 59.11
15337 15338	CB	ARG		403		.529	-14.794	22.068	1.00	59.11
15338	CG	ARG		403		.540	-13.831	21.236	1.00	59.55
15340	CD	ARG		403		.288	-14.530	20.729	1.00	59.11
15341	NE	ARG		403			-14.189	20.725		58.74
10041	TATE	21110	_	103	31	. 515	14.103	20.210	1.00	50.79

FIGURE 3 KO

A	В	C	D	Е	F		G	H	I	J
15342	CZ	ARG	c	403	-52.56	4 -	-15.090	20.013	1.00	59.71
15343	NH1	ARG		403	-53.76		-14.713	19.577	1.00	
15344	NH2	ARG		403	-52.31		-16.379	20.214	1.00	59.35
15345	C	ARG		403	-46.16		-14.328	22.396	1.00	59.34
15346	ō	ARG		403	-45.79		-14.214	23.557	1.00	59.25
15347	N	ASN		404	-45.37		-14.048	21.370	1.00	60.20
15348	CA	ASN		404	-44.02		-13.535	21.571	1.00	60.98
15349	CB	ASN		404	-43.00		-14.672	21.692	1.00	60.61
15350	CG	ASN		404	-42.95		-15.252	23.081	1.00	59.51
15351	OD1			404	-43.36		-16.392	23.302	1.00	58.86
15352	ND2	ASN		404	-42.47		-14.465	24.034	1.00	56.75
15353	C	ASN		404	-43.60		-12.578	20.477	1.00	61.92
15354	ō	ASN		404	-44.03		-12.692	19.330	1.00	62.03
15355	N	LEU		405	-42.75		-11.634	20.850	1.00	63.31
15356	CA	LEU		405	-42.22		-10.646	19.921	1.00	64.62
15357	CB	LEU	Ċ	405	-41.85	5	-9.375	20.678	1.00	64.50
15358	CG	LEU		405	-41.27		-8.234	19.852	1.00	64.07
15359	CD1	LEU		405	-42.20		-7.902	18.707	1.00	64.27
15360	CD2	LEU		405	-41.04		-7.020	20.725	1.00	63.89
15361	С	LEU		405	-41.00		-11.188	19.186	1.00	65.74
15362	ō	LEU		405	-40.08		-11.726	19.799	1.00	65.57
15363	N	TYR	С	406	-40.99	6 -	-11.044	17.867	1.00	67.23
15364	CA	TYR		406	-39.87		-11.515	17.066	1.00	68.66
15365	CB	TYR		406	-40.30		-12.700	16.199	1.00	68.64
15366	CG	TYR	C	406	-40.54	3 -	-13.966	16.981	1.00	69.15
15367	CD1	TYR		406	-39.60		-14.985	16.994	1.00	69.73
15368	CE1	TYR		406	-39.81		-16.145	17.707	1.00	69.38
15369	CZ	TYR	С	406	-40.97	7 -	-16.299	18.424	1.00	69.23
15370	OH	TYR	С	406	-41.18	0 -	-17.457	19.137	1.00	70.18
15371	CE2	TYR	С	406	-41.92	7 -	-15.304	18.432	1.00	69.38
15372	CD2	TYR	С	406	-41.70	7 -	-14.142	17.713	1.00	69.55
15373	C	TYR	С	406	-39.32	3 -	-10.405	16.189	1.00	69.60
15374	0	TYR	С	406	-40.05	3	-9.504	15.776	1.00	69.80
15375	N	LYS	С	407	-38.02	4 -	-10.479	15.916	1.00	70.75
15376	CA	LYS	С	407	-37.34	9	-9.527	15.040	1.00	71.87
15377	CB	LYS	С	407	-36.27	1	-8.765	15.816	1.00	71.82
15378	CG	LYS	С	407	-35.04		-8.425	15.001	1.00	72.36
15379	CD	LYS	С	407	-33.81	1	-8.216	15.882	1.00	73.33
15380	CE	LYS	С	407	-33.87	0	-6.892	16.648	1.00	73.70
15381	NZ	LYS	С	407	-32.52	3	-6.458	17.135	1.00	72.93
15382	C	LYS	С	407	-36.73	0 -	-10.275	13.859	1.00	72.57
15383	0	LYS	С	407	-35.91		-11.184	14.049	1.00	72.66
15384	N	ILE	С	408	-37.13	4	-9.920	12.642	1.00	73.55
15385	CA	ILE	С	408	-36.57	4 -	-10.569	11.457	1.00	74.61
15386	CB	ILE		408	-37.67		-11.197	10.573	1.00	74.55
15387	CG1	ILE	С	408	-37.06	1 -	-11.771	9.292	1.00	74.57
15388	CD1	ILE		408	-37.99		-12.675	8.518	1.00	74.07
15389	CG2	ILE		408	-38.74		-10.177	10.235	1.00	74.38
15390	C	ILE		408	-35.69		-9.619	10.650	1.00	75.36
15391	0	ILE		408	-36.02		-8.444	10.458	1.00	75.35
15392	N	GLN	С	409	-34.55	0 -	-10.134	10.195	1.00	76.31

FIGURE 3 KP

15393 CA GLN C 409 -33.606 -9.332 9.429 1.00 77.25 15394 CB GLN C 409 -32.189 -9.896 5.536 1.00 77.43 15395 CG GLN C 409 -31.403 -9.345 10.712 1.00 78.15 15396 CD GLN C 409 -29.901 -9.363 10.712 1.00 78.15 15397 CB GLN C 409 -29.917 -10.134 11.130 1.00 79.63 15398 NEZ GLN C 409 -29.416 -8.511 3.578 1.00 79.37 15399 C GLN C 409 -33.949 -10.183 7.217 1.00 77.63 15401 N LEU C 410 -34.408 -8.004 7.579 1.00 78.91 15401 N LEU C 410 -34.408 -8.004 7.579 1.00 78.91 15403 CB LEU C 410 -34.802 -7.746 6.199 1.00 78.91 15403 CB LEU C 410 -34.802 -7.746 6.199 1.00 78.91 15405 CD LEU C 410 -35.608 -5.972 6.239 1.00 79.51 15405 CD LEU C 410 -36.688 -5.972 6.239 1.00 79.51 15406 CD LEU C 410 -33.657 -8.103 5.261 1.00 79.27 15406 CD LEU C 410 -33.657 -8.103 5.261 1.00 79.27 15406 CD LEU C 410 -33.657 -8.103 5.261 1.00 79.27 15410 CA SER C 411 -32.436 -8.010 5.781 1.00 79.62 15410 CA SER C 411 -32.436 -8.010 5.781 1.00 79.62 15412 CB SER C 411 -32.436 -8.010 5.857 1.00 80.09 15412 CB SER C 411 -32.436 -8.010 5.857 1.00 80.09 15412 CB SER C 411 -31.179 -9.862 4.828 1.00 80.08 15414 CB SER C 411 -31.775 -10.603 5.857 1.00 80.29 15416 CA ASP C 412 -31.625 -12.577 6.366 1.00 79.55 15422 CB ASP C 412 -30.395 -12.717 6.366 1.00 79.55 15422 CB TYR C 413 -36.379 -12.802 4.225 6.100 79.98 15422 CB TYR C 413 -36.379 -12.802 4.225 6.100 79.40 15433 CB TYR C 413 -36.379 -12.802 4.255 6.439 1.00 79.40 15433 CB TYR C 413 -36.639 -10.410 5.404 7.00 7.96 15433 CB TYR C 413 -36.369 -10.410 5.404 7.00 7.96 15433 CB TYR C 413	A	В	С	D	E		F	G	H	I	J
15395 CG GIN C 409 -32.189 -9.896 9.536 1.00 77.43 15395 CG GIN C 409 -29.901 -9.363 10.712 1.00 78.15 15396 CD GIN C 409 -29.901 -9.363 10.712 1.00 78.15 15398 NE2 GIN C 409 -29.918 -9.103 11.130 1.00 79.63 15398 NE2 GIN C 409 -29.918 -9.209 7.971 1.00 77.64 15400 CD GIN C 409 -33.949 -10.183 7.217 1.00 77.64 15400 CD GIN C 409 -33.949 -10.183 7.217 1.00 77.63 15401 N LEU C 410 -34.408 -8.004 7.579 1.00 78.26 15402 CD LEU C 410 -34.408 -8.004 7.579 1.00 78.26 15403 CB LEU C 410 -35.204 -6.283 6.224 1.00 78.97 15404 CG LEU C 410 -35.204 -6.283 6.224 1.00 79.96 15405 CD LEU C 410 -36.688 -5.972 6.239 1.00 79.61 15406 CD LEU C 410 -33.657 -8.103 5.261 1.00 79.27 15408 O LEU C 410 -33.657 -8.400 4.100 1.00 79.38 15409 N SER C 411 -32.436 -8.010 5.781 1.00 79.96 15411 CB SER C 411 -29.988 -8.221 7.110 1.00 80.33 15413 C SER C 411 -30.775 10.346 3.773 1.00 80.06 15415 CB SER C 411 -30.775 10.346 3.773 1.00 80.06 15415 CA ASP C 412 -31.573 10.603 5.857 1.00 80.22 15416 CA ASP C 412 -31.573 10.603 5.857 1.00 80.24 15420 OD ASP C 412 -31.625 12.057 5.755 1.00 80.44 15420 OD ASP C 412 -30.365 -12.717 6.306 1.00 79.95 15422 C ASP C 412 -30.365 -12.544 7.691 1.00 79.95 15422 C ASP C 412 -30.365 -12.544 7.691 1.00 79.95 15423 C TYR C 413 -35.984 14.405 5.126 1.00 79.95 15424 C ATR C 413 -35.984 14.405 5.126 1.00 79.95 15425 CB TYR C 413 -36.619 -14.107 6.306 1.00 79.97 15433 CT TYR C 413 -36.619 -14.107 6.306 1.00 79.97 15433 CT TYR C 413 -36.619 -14.407 6.306	15393	CA	GLN	С	409	-33	.606	-9.332	9.429	1.00	77.25
15396 CG GIN C 409 -31.403 -9.345 10.712 1.00 78.15											
15398 NE2 GIN C 409	15395	CG	GLN	С	409			-9.345	10.712	1.00	78.15
15398 NE2 GIN C 409	15396	CD	GLN	С	409	-29	.901	-9.363	10.486	1.00	79.40
15398 NE2 GIN C 409		OE1				-29	.187				
15399 C GIN C 409 -33.006 -9.209 7.971 1.00 77.64											
15400		С									
15401 N											
15402 CA LEU C 410 -34.802 -7.746 6.199 1.00 78.91											
15404 CG LEU C 410 -35.204 -6.283 6.024 1.00 78.97 15405 CD1 LEU C 410 -36.688 -5.972 6.239 1.00 79.51 15406 CD2 LEU C 410 -37.403 -7.109 6.249 1.00 79.61 15407 C LEU C 410 -33.657 -8.103 5.261 1.00 79.62 15408 O LEU C 410 -33.657 -8.103 5.261 1.00 79.27 15408 O LEU C 410 -33.657 -8.103 5.261 1.00 79.27 15409 N SER C 411 -32.436 -8.010 5.781 1.00 79.38 15409 N SER C 411 -31.244 -8.354 5.024 1.00 79.96 15411 CB SER C 411 -29.989 -7.847 5.741 1.00 80.99 15412 OG SER C 411 -31.79 -9.862 4.828 1.00 80.08 15413 C SER C 411 -30.775 -10.346 3.773 1.00 80.06 15415 N ASP C 412 -31.573 -10.603 5.857 1.00 80.24 15416 CA ASP C 412 -31.625 -12.057 5.755 1.00 80.24 15419 OD ASP C 412 -30.365 -12.2057 5.755 1.00 80.24 15419 OD ASP C 412 -30.365 -12.2057 5.755 1.00 80.24 15420 OD ASP C 412 -30.365 -12.2057 5.755 1.00 80.25 15420 OD ASP C 412 -30.361 -14.927 -7.110 1.00 80.13 15420 OD ASP C 412 -30.361 -14.927 -7.110 1.00 80.13 15420 OD ASP C 412 -30.811 -14.800 5.126 1.00 79.50 15421 C ASP C 412 -32.962 -12.544 -6.63 1.00 80.53 15422 C ASP C 412 -32.962 -12.544 -6.63 1.00 80.55 15423 N TYR C 413 -33.778 -13.144 -6.14 1.00 80.55 15424 CA TYR C 413 -35.984 -14.005 5.042 1.00 80.65 15425 CB TYR C 413 -35.984 -14.005 5.042 1.00 80.65 15433 CB TYR C 413 -36.619 -10.410 -3.981 1.00 79.54 15433 CB TYR C 413 -37.452 -9.468 -1.577 1.00 80.94 15433 CB TYR C 413 -36.619 -1.410 -3.779 -1.00 80.94 15433 CB TYR C 413 -37.452 -1.845 -1.657 -1.00 80.92 15435 CR TYR C 413 -36.619 -1.410 -3.779 -1.00 80.94 15433 CB TYR C 413 -37.455 -39.468 -1.797 -3.99 -3.00 80.92 1543		CA									
15406 CD	15403		LEU	С	410	-35	.204			1.00	
15406 CD LBU C 410 -37.403 -7.109 6.947 1.00 79.61	15404	CG	LEU	С	410	-36	.688	-5.972	6.239	1.00	79.51
15406 CD2 LEU C 410 -36.862 -4.665 6.994 1.00 80.14 15408 O LEU C 410 -33.875 -8.460 5.261 1.00 79.27 15408 O LEU C 410 -33.875 -8.460 4.100 1.00 79.38 15409 N SER C 411 -32.436 -8.010 5.781 1.00 79.62 15411 CB SER C 411 -31.244 -8.354 5.024 1.00 79.62 15412 CB SER C 411 -29.989 -7.847 5.741 1.00 80.09 15413 C SER C 411 -29.989 -8.221 7.110 1.00 80.33 15413 C SER C 411 -31.179 -9.862 4.288 1.00 80.08 15414 O SER C 411 -31.179 -9.862 4.288 1.00 80.08 15415 N ASP C 412 -31.573 -10.603 5.857 1.00 80.29 15416 CA ASP C 412 -31.573 -10.603 5.857 1.00 80.29 15416 CA ASP C 412 -31.625 -12.057 5.755 1.00 80.29 15417 CB ASP C 412 -30.395 -12.717 6.306 1.00 80.24 15418 CG ASP C 412 -30.395 -12.717 6.306 1.00 80.24 15419 ODI ASP C 412 -30.391 -14.225 6.157 1.00 80.04 15421 C ASP C 412 -30.811 -14.800 5.157 1.00 80.05 15422 C ASP C 412 -32.857 -12.602 6.463 1.00 80.55 15423 N TYR C 413 -35.044 -13.647 6.194 1.00 80.55 15424 CA TYR C 413 -35.944 -13.647 6.194 1.00 80.55 15425 CB TYR C 413 -36.263 -11.517 4.299 1.00 79.50 15426 CT TYR C 413 -36.263 -11.517 4.299 1.00 79.40 15427 CD TYR C 413 -36.263 -11.517 4.299 1.00 79.40 15430 CH TYR C 413 -37.452 -9.468 1.957 1.00 80.92 15431 CE2 TYR C 413 -37.452 -9.468 1.957 1.00 80.92 15433 CT TYR C 413 -37.452 -9.468 1.957 1.00 80.92 15433 CT TYR C 413 -37.452 -9.468 1.957 1.00 80.92 15433 CT TYR C 413 -37.452 -9.468 1.957 1.00 80.94 15433 CT TYR C 413 -37.452 -9.468 1.957 1.00 80.94 15433 CT TYR C 413 -37.452 -9.468 1.957 1.00 80.94 15434 CT TYR C 413 -36.664 -1.947 7.10 80.94 15435 CT TYR C 413 -36.664 -1.947 7.10 80.94 15437 CT TYR C 413 -37.452 -9.4	15405	CD1	LEU	С		-37	.403	-7.109	6.947	1.00	79.61
15408 O		CD2									
15419											
15419	15408	0	LEU	C	410	-33	.875	-8.460	4.100	1.00	79.38
15410 CA SER C 411 -39.989 -7.847 5.741 1.00 80.09 15412 CG SER C 411 -29.988 -8.221 7.110 1.00 80.09 15413 C SER C 411 -39.988 -8.221 7.110 1.00 80.09 15414 C SER C 411 -30.775 -10.346 3.773 1.00 80.08 15415 N ASP C 412 -31.573 -10.603 3.773 1.00 80.08 15416 CA ASP C 412 -31.573 -10.603 3.773 1.00 80.08 15416 CA ASP C 412 -31.573 -10.603 5.857 1.00 80.29 15417 CB ASP C 412 -30.365 -12.177 5.366 1.00 80.22 15418 CG ASP C 412 -30.365 -12.177 6.156 1.00 80.04 15419 ODJ ASP C 412 -30.365 -12.177 6.157 1.00 80.04 15420 ODJ ASP C 412 -30.316 -14.927 -7.110 1.00 80.13 15420 ODJ ASP C 412 -30.316 -14.927 -7.110 1.00 80.13 15421 C ASP C 412 -32.857 -12.602 6.463 1.00 80.53 15422 C ASP C 412 -32.857 -12.602 6.463 1.00 80.53 15424 C ASP C 412 -32.857 -12.602 6.463 1.00 80.55 15423 N TYR C 413 -33.778 -13.144 5.674 1.00 80.65 15425 CB TYR C 413 -35.984 -14.005 5.042 1.00 80.44 15426 CG TYR C 413 -36.379 -10.410 5.042 1.00 80.44 15427 CD TYR C 413 -36.379 -15.756 2.698 1.00 79.98 15430 CH TYR C 413 -37.656 -17.517 4.729 1.00 79.94 15431 CE TYR C 413 -37.452 -9.468 1.957 1.00 79.09 15433 CD TYR C 413 -37.452 -9.468 1.957 1.00 79.74 15433 CH TYR C 413 -37.452 -9.468 -1.957 1.00 79.74 15433 CH TYR C 413 -37.452 -9.468 -1.977 1.00 80.92 15433 CH TYR C 413 -37.452 -9.468 -1.757 1.00 80.92 15435 CH TYR C 414 -33.7451 -35.840 -15.149 7.889 1.00 80.92 15435 CH TYR C 414 -33.7451 -35.840 -15.149 7.889 1.00 80.92 15436 CA TYR C 414 -33.7451 -36.569 -17.590 7.518 1.00 81.83 15											
15412 CB SER C 411 -29.989 -7.847 5.741 1.00 80.09 15413 C SER C 411 -39.988 -8.221 7.110 1.00 80.33 15414 C SER C 411 -31.179 -9.862 4.828 1.00 80.06 15415 C SER C 411 -31.779 -10.346 3.773 1.00 80.06 15416 C SER C 412 -31.573 -10.603 5.857 1.00 80.06 15416 C SEP C 412 -31.625 -12.057 5.755 1.00 80.29 15416 C SEP C 412 -30.365 -12.717 6.306 1.00 80.24 15417 C SEP C 412 -30.399 -14.225 6.157 1.00 80.04 15419 ODI ASP C 412 -30.399 -14.225 6.157 1.00 80.04 15419 ODI ASP C 412 -30.399 -14.25 6.157 1.00 80.04 15420 ODZ ASP C 412 -30.811 -14.800 5.166 1.00 79.50 15421 C ASP C 412 -32.962 -12.544 7.691 1.00 80.53 15422 O ASP C 412 -32.962 -12.544 7.691 1.00 80.53 15423 N TYR C 413 -35.044 -13.647 6.194 1.00 80.75 15424 C ATYR C 413 -35.984 -14.005 6.140 1.00 80.75 15425 CB TYR C 413 -36.263 -11.517 4.729 1.00 79.54 15426 CG TYR C 413 -36.263 -11.517 4.729 1.00 79.54 15429 CZ TYR C 413 -36.263 -11.517 4.729 1.00 79.09 15430 CH TYR C 413 -37.452 -9.468 1.957 1.00 79.09 15430 CH TYR C 413 -37.223 -11.845 2.162 1.00 79.68 15433 CD TYR C 413 -37.452 -9.468 1.957 1.00 79.09 15433 CT TYR C 413 -37.452 -9.468 1.957 1.00 79.09 15433 CT TYR C 413 -37.452 -9.468 1.957 1.00 79.09 15433 CT TYR C 413 -37.452 -9.468 1.957 1.00 80.92 15433 CT TYR C 413 -37.452 -9.468 1.957 1.00 80.92 15434 CT TYR C 413 -36.864 -12.947 -9.168 1.00 81.83 15435 CT TYR C 413 -35.840 -15.149 7.177 1.00 80.94 15438 CG TYR C 414 -33.431 -15.494 6.221 1.00 81.83 15439 CG TYR C 414 -33.431 -16.504 6.221 1.00 81.83 15439 CG TYR C 414 -33.455 -16.504 6.221 1.00 81.83 15439 CG TYR C 414 -33.455 -16.504 6.421 1.00 81											
15412											
15413 C SER C 411 -30.775 -10.346 3.773 1.00 80.08 15414											
15415											
15415	15414	0	SER	С	411	-30	.775	-10.346	3.773	1.00	80.06
15416 CA ASP C 412 -31.625 -12.057 5.755 1.00 80.44 15417 CB ASP C 412 -30.365 -12.717 6.306 1.00 80.22 15418 CG ASP C 412 -30.399 -14.225 6.157 1.00 80.04 15419 OD1 ASP C 412 -30.016 -14.927 7.110 1.00 80.13 15420 OD2 ASP C 412 -30.811 -14.800 5.126 1.00 79.50 15421 C ASP C 412 -32.952 -12.544 7.691 1.00 80.53 15422 C ASP C 412 -32.962 -12.544 7.691 1.00 80.55 15423 N TYR C 413 -33.778 -13.144 1.00 80.765 15424 CA TYR C 413 -35.944 -13.647 6.194 1.00 80.65 15425 CB TYR C 413 -35.944 -13.647 6.194 1.00 80.76 15426 CG TYR C 413 -36.619 -10.410 3.981 1.00 79.54 15427 CD1 TYR C 413 -36.619 -10.410 3.981 1.00 79.47 15428 CE1 TYR C 413 -37.452 -9.468 1.957 1.00 79.95 15430 CH TYR C 413 -37.452 -9.468 1.957 1.00 79.09 15431 CE2 TYR C 413 -37.452 -9.468 1.957 1.00 79.09 15433 CD2 TYR C 413 -37.452 -9.468 1.957 1.00 79.74 15433 CD2 TYR C 413 -37.452 -9.468 1.957 1.00 79.74 15433 CD2 TYR C 413 -37.452 -9.468 1.957 1.00 79.74 15435 CA TYR C 413 -37.452 -9.468 1.957 1.00 79.74 15436 CA TYR C 413 -37.452 -9.468 1.957 1.00 79.74 15438 CD1 TYR C 413 -37.452 -9.468 -9.479 1.00 79.74 15438 CD2 TYR C 413 -37.452 -9.468 -9.479 1.00 79.74 15439 CD2 TYR C 413 -37.452 -9.468 -9.479 1.00 80.92 15435 CA TYR C 413 -34.894 -14.810 7.177 1.00 80.94 15438 CD3 TYR C 414 -33.403 -16.504 8.21 1.00 81.83 15439 CD2 TYR C 414 -33.433 -16.504 6.221 1.00 81.83 15439 CD2 TYR C 414 -33.431 -18.634 6.221 1.00 81.83 15439 CD2 TYR C 414 -33.431 -16.504 6.421 1.00 81.83 15430 CD3 TYR C 414 -33.431 -16.6777 10.423 1.00 81.83 15440 C TYR C 414 -32.2851 -16.016 9.469 1.00 81.83 15440 C TYR C 414 -32											
15418 CG											
15418 CG	15417	CB	ASP	С	412	-30	.365	-12.717	6.306	1.00	80.22
15419 ODI ASP C 412	15418										
15420											
15421 C											
15422	15421	С	ASP	С	412	-32	.857	-12.602	6.463		80.53
15426 CB TYR C 413 -35.044 -13.647 6.194 1.00 80.70											
15424 CA TYR C 413	15423	N	TYR	С	413	-33	.778	-13.144	5.674	1.00	80.65
15426 CB TYR C 413 -35.984 -14.005 5.042 1.00 80.44 15427 CD TYR C 413 -36.263 -11.517 4.729 1.00 79.54 15428 CE1 TYR C 413 -36.263 -11.517 4.729 1.00 79.54 15428 CE1 TYR C 413 -36.263 -11.517 4.729 1.00 79.47 15430 CH TYR C 413 -37.099 -10.576 2.698 1.00 79.49 15431 CE2 TYR C 413 -37.452 -9.468 1.957 1.00 79.09 15431 CE2 TYR C 413 -37.452 -9.468 2.162 1.00 79.68 15432 CD2 TYR C 413 -37.23 -11.845 2.162 1.00 79.68 15433 CD TYR C 413 -36.864 -12.947 2.921 1.00 79.74 15434 O TYR C 413 -36.864 -12.947 2.921 1.00 80.92 15435 CD TYR C 413 -35.840 -15.149 7.177 1.00 80.94 15436 CA THR C 414 -33.404 -15.406 7.227 1.00 81.25 15437 CB THR C 414 -33.453 -16.504 8.157 1.00 81.25 15438 CG THR C 414 -33.453 -16.504 8.157 1.00 81.25 15439 CG2 THR C 414 -33.453 -16.504 8.21 1.00 81.83 15439 CG2 THR C 414 -33.431 -18.634 6.221 1.00 81.83 15439 CG2 THR C 414 -33.431 -16.640 8.221 1.00 81.83 15440 C THR C 414 -32.2851 -16.016 9.469 1.00 81.83 15440 C THR C 414 -32.2851 -16.016 9.469 1.00 81.81 15441 C THR C 414 -32.2861 -16.777 10.423 1.00 81.18 15442 N LYS C 415 -32.486 -14.774 9.515 1.00 81.18	15424	CA			413	-35	.044	-13.647	6.194	1.00	80.70
15426 CG TYR C 413 -36.379 -12.802 4.215 1.00 79.98 15427 CD1 TYR C 413 -36.619 -10.410 3.981 1.00 79.54 15428 CE1 TYR C 413 -36.619 -10.410 3.981 1.00 79.40 15430 CH TYR C 413 -37.099 -10.576 2.698 1.00 79.40 15431 CE2 TYR C 413 -37.452 -9.468 1.957 1.00 79.98 15432 CD2 TYR C 413 -37.452 -9.468 1.957 1.00 79.68 15432 CD2 TYR C 413 -37.223 -11.845 2.622 1.00 79.68 15432 CD2 TYR C 413 -34.894 -14.810 7.177 1.00 80.94 15434 C TYR C 413 -35.840 -15.149 7.889 1.00 80.92 15435 CA THR C 414 -33.404 -15.406 7.227 1.00 81.25 15436 CA THR C 414 -33.453 -16.504 8.157 1.00 81.25 15437 CB THR C 414 -33.656 -17.590 7.518 1.00 81.83 15438 CG2 THR C 414 -33.431 -18.634 6.821 1.00 81.83 15439 CG2 THR C 414 -33.431 -18.634 6.821 1.00 81.83 15440 C THR C 414 -32.251 -16.016 9.469 1.00 81.18 15442 C THR C 414 -32.251 -16.016 9.469 1.00 81.18 15442 C THR C 414 -32.261 -16.777 10.423 1.00 81.18 15442 C THR C 415 -32.246 -14.771 9.515 1.00 81.18 15442 C THR C 415 -32.246 -14.771 9.515 1.00 81.18 15442 C THR C 415 -32.486 -14.771 9.515 1.00 81.18 15442 C TYR C 415 -32.486 -14.771 9.515 1.00 81.78											
15428 CEL TYR C 413 -36.619 -10.410 3.981 1.00 79.47 15430 OH TYR C 413 -37.452 -9.468 1.957 1.00 79.68 15431 CEZ TYR C 413 -37.452 -9.468 1.957 1.00 79.68 15432 CDZ TYR C 413 -36.64 -12.947 2.921 1.00 79.68 15432 CDZ TYR C 413 -36.64 -12.947 2.921 1.00 79.68 15434 O TYR C 413 -34.894 -14.810 7.177 1.00 80.94 15435 N THR C 414 -33.704 -15.406 7.227 1.00 81.92 15436 CA THR C 414 -33.704 -15.406 7.227 1.00 81.25 15437 CB THR C 414 -33.453 -15.504 8.157 1.00 81.25 15438 CGZ THR C 414 -33.853 -17.025 6.349 1.00 81.83 15439 CGZ THR C 414 -33.813 -18.634 6.821 1.00 81.82 15440 C THR C 414 -32.851 -16.016 9.469 1.00 81.08 15441 O THR C 414 -32.246 -14.777 10.423 1.00 81.18 15442 N TYS C 415 -32.486 -14.777 10.423 1.00 81.18 15442 N TYS C 415 -32.486 -14.777 10.423 1.00 81.18 15442 N TYS C 415 -32.486 -14.777 10.423 1.00 81.18 15442 N TYS C 415 -32.486 -14.771 9.515 1.00 81.25 15440 C THR C 414 -32.486 -14.771 9.515 1.00 81.83 15442 N TYS C 415 -32.486 -14.771 9.515 1.00 81.83 15440 C THR C 414 -32.486 -14.771 9.515 1.00 81.83 15440 C THR C 414 -32.486 -14.771 9.515 1.00 81.83 15440 C THR C 414 -32.486 -14.771 9.515 1.00 81.83 15440 C THR C 414 -32.486 -14.771 9.515 1.00 81.83 15440 C THR C 414 -32.486 -14.771 9.515 1.00 81.83 15440 C THR C 414 -32.486 -14.771 9.515 1.00 81.83 15440 C THR C 414 -32.486 -14.771 9.515 1.00 81.83 15440 C THR C 414 -32.486 -14.771 9.515 1.00 81.83 15440 C THR C 414 -32.486 -14.771 9.515 1.00 81.83 15440 C THR C 414 -32.486 -14.771 9.515 1.00 81.83 15440 C THR C 414 -32.486 -14.771 9.515 1.00 81.83 15440 C THR C 414 -32.486 -14.771 9.515 1.00 81.83 15440 C THR C 414 -32.486 -14.77	15426	CG	TYR	С	413	-36	.379	-12.802	4.215	1.00	79.98
15429 C2 TYR C 413 -37.099 -10.576 2.688 1.00 79.40 15430 C4 TYR C 413 -37.452 -9.468 1.957 1.00 79.09 15431 CE2 TYR C 413 -37.223 -11.845 2.162 1.00 79.68 15432 CD2 TYR C 413 -36.864 -12.947 2.921 1.00 79.74 15433 C TYR C 413 -34.894 -14.810 7.177 1.00 80.94 15435 C TYR C 414 -33.704 -15.406 7.227 1.00 81.92 15435 C TYR C 414 -33.704 -15.406 7.227 1.00 81.92 15436 CA TYR C 414 -33.453 -16.504 8.157 1.00 81.25 15437 CB TYR C 414 -31.803 -17.025 6.439 1.00 81.83 15439 CG2 TYR C 414 -33.431 -18.634 6.821 1.00 81.83 15439 CG2 TYR C 414 -32.851 -16.016 9.469 1.00 81.92 15440 C TYR C 414 -32.851 -16.016 9.469 1.00 81.92 15441 O TYR C 414 -32.851 -16.016 9.469 1.00 81.18 15442 N TYS C 415 -32.486 -14.771 9.515 1.00 81.18	15427	CD1	TYR	С	413	-36	.263	-11.517	4.729	1.00	79.54
15430 OH TYR C 413 -37.452 -9.468 1.957 1.00 79.09 15431 CE2 TYR C 413 -36.864 -12.947 2.921 1.00 79.68 15432 CD2 TYR C 413 -36.864 -12.947 2.921 1.00 79.74 15433 C TYR C 413 -34.894 -14.810 7.177 1.00 80.94 15435 N TIR C 414 -33.704 -15.406 7.227 1.00 81.10 15436 Ca TRR C 414 -33.453 -16.504 8.157 1.00 81.20 15437 CB TRR C 414 -32.565 -17.590 7.518 1.00 81.83 15439 CB TRR C 414 -31.803 -17.025 6.821 1.00 81.83 15440 C TRR C 414	15428	CE1	TYR	С	413	-36	.619	-10.410	3.981	1.00	79.47
15432 CD2 TYR C 413 -37.223 -11.845 2.962 1.00 79.68 15432 CD2 TYR C 413 -36.864 -12.947 2.921 1.00 79.74 15433 C TYR C 413 -34.894 -14.810 7.177 1.00 80.94 15435 C TYR C 414 -35.840 -15.149 7.889 1.00 80.92 15435 CA TRR C 414 -33.704 -15.406 7.227 1.00 81.10 15436 CA TRR C 414 -33.453 -16.504 8.157 1.00 81.25 15437 CB TRR C 414 -32.656 -17.590 7.518 1.00 81.83 15439 CG2 THR C 414 -31.803 -17.025 6.439 1.00 81.83 15439 CG2 THR C 414 -32.851 -16.016 9.469 1.00 81.92 15440 C THR C 414 -32.851 -16.016 9.469 1.00 81.18 15442 C THR C 414 -32.851 -16.077 10.423 1.00 81.18 15442 C THR C 414 -32.851 -16.077 10.423 1.00 81.18 15442 C THR C 415 -32.861 -14.777 10.423 1.00 81.18 15442 C THR C 415 -32.861 -14.777 10.423 1.00 81.18 15442 C THR C 415 -32.861 -14.777 10.423 1.00 81.18 1.00 81.80 1.00 81.	15429	CZ	TYR	С	413	-37	.099	-10.576	2.698	1.00	79.40
15432 CD2 TYR C 413 -36.864 -12.947 2.921 1.00 79.74 15433 C TYR C 413 -34.894 -14.810 7.177 1.00 80.94 15434 O TYR C 413 -35.840 -15.149 7.889 1.00 80.92 15435 N THR C 414 -33.704 -15.406 7.227 1.00 81.10	15430	OH	TYR	С	413	-37	.452	-9.468	1.957	1.00	79.09
15433 C TYR C 413 -34.894 -14.810 7.177 1.00 80.92 15434 O TYR C 413 -35.840 -15.149 7.889 1.00 80.92 15435 N THR C 414 -33.704 -15.406 7.227 1.00 81.25 15437 CB THR C 414 -33.453 -16.504 8.157 1.00 81.25 15438 OG2 THR C 414 -31.803 -17.025 6.439 1.00 81.83 15439 CG2 THR C 414 -33.431 -18.634 6.821 1.00 81.92 15440 C THR C 414 -32.724 -16.777 10.423 1.00 81.18 15441 O THR C 414 -32.724 -16.777 10.423 1.00 81.18 15442 N LYS C 415		CE2	TYR	С		-37	.223	-11.845			
15434 O TYR C 413 -35.840 -15.149 7.889 1.00 80.92 15435 N THR C 414 -33.704 -15.406 7.227 1.00 81.10 15436 CA THR C 414 -33.453 -16.504 8.157 1.00 81.25 15437 CB THR C 414 -32.565 -17.590 7.518 1.00 81.48 15438 OG1 THR C 414 -31.803 -17.025 6.439 1.00 81.83 15439 CG2 THR C 414 -33.431 -18.634 6.821 1.00 81.92 15440 C THR C 414 -32.251 -16.016 9.469 1.00 81.83 15441 O THR C 414 -32.724 -16.777 10.423 1.00 81.18 15442 N N LyS C 415 -32.486 -14.741 9.515 1.00 81.87	15432	CD2	TYR	С	413				2.921	1.00	
15435 N THR C 414 -33.704 -15.406 7.227 1.00 81.10 15436 Ca THR C 414 -32.565 -17.590 7.518 1.00 81.25 15438 OG1 THR C 414 -32.565 -17.590 7.518 1.00 81.83 15439 OG2 THR C 414 -31.803 -17.025 6.439 1.00 81.83 15440 C THR C 414 -32.831 -18.634 6.821 1.00 81.06 15441 O THR C 414 -32.724 -16.016 9.469 1.00 81.06 15442 N LYS C 415 -32.724 -16.777 10.243 1.00 81.18 15442 N LYS C 415 -32.724 -16.777 10.243 1.00 81.18	15433	С	TYR	С	413	-34	.894		7.177	1.00	80.94
15436 CA THR C 414 -33.453 -16.504 8.157 1.00 81.25 15437 GB THR C 414 -32.565 -17.590 7.518 1.00 81.48 15438 GG1 THR C 414 -31.803 -17.025 6.439 1.00 81.92 15440 C THR C 414 -33.431 -18.634 6.21 1.00 81.92 15440 O THR C 414 -32.2851 -16.707 10.423 1.00 81.18 15442 N LYS C 415 -32.286 -14.777 10.423 1.00 81.18	15434	0	TYR	С	413	-35	.840	-15.149	7.889	1.00	80.92
15437 CB THR C 414 -32.565 -17.590 7.518 1.00 81.48 15438 OG1 THR C 414 -31.803 -17.025 6.439 1.00 81.83 15439 CG2 THR C 414 -33.431 -18.634 6.821 1.00 81.92 15440 C THR C 414 -32.851 -16.016 9.469 1.00 81.06 15441 O THR C 414 -32.724 -16.777 10.423 1.00 81.18 15442 N LYS C 415 -32.486 -14.741 9.515 1.00 80.87	15435	N	THR	С	414	-33	.704	-15.406	7.227	1.00	81.10
15438 0G1 THR C 414 -31.803 -17.025 6.439 1.00 81.83 15439 0G2 THR C 414 -33.431 -18.634 6.821 1.00 81.92 15440 C THR C 414 -32.851 -16.016 9.469 1.00 81.06 15441 0 THR C 414 -32.724 -16.777 10.423 1.00 81.18 15442 N LYS C 415 -32.486 -14.741 9.515 1.00 80.87	15436	CA	THR	С	414	-33	.453	-16.504	8.157	1.00	81.25
15439 CG2 THR C 414 -33.431 -18.634 6.821 1.00 81.92 15440 C THR C 414 -32.851 -16.016 9.469 1.00 81.06 1.041 15441 N LYS C 414 -32.724 -16.777 10.423 1.00 81.88 15442 N LYS C 415 -32.486 -14.741 9.515 1.00 80.87	15437				414	-32	.565				
15439 CG2 THR C 414 -33.431 -18.634 6.821 1.00 81.92 15440 C THR C 414 -32.851 -16.016 9.469 1.00 81.06 1.041 15441 N LYS C 414 -32.724 -16.777 10.423 1.00 81.88 15442 N LYS C 415 -32.486 -14.741 9.515 1.00 80.87											
15440 C THR C 414 -32.851 -16.016 9.469 1.00 81.06 15441 O THR C 414 -32.724 -16.777 10.423 1.00 81.18 15442 N LYS C 415 -32.486 -14.741 9.515 1.00 80.87	15439	CG2	THR	С	414	-33	.431	-18.634	6.821	1.00	81.92
15441 O THR C 414 -32.724 -16.777 10.423 1.00 81.18 15442 N LYS C 415 -32.486 -14.741 9.515 1.00 80.87	15440	С			414	-32	.851	-16.016	9.469	1.00	81.06
		0	THR	С	414	-32	.724	-16.777	10.423	1.00	81.18
15443 CA LYS C 415 -31.943 -14.154 10.733 1.00 80.89	15442	N	LYS	С	415	-32	.486	-14.741	9.515	1.00	80.87
	15443	CA	LYS	С	415	-31	.943	-14.154	10.733	1.00	80.89

FIGURE 3 KQ

A	В	С	D	E	F		G	H	I	J
15444	СВ	LYS	С	415	-30.97	5 -	-13.014	10.404	1.00	81.12
15445	CG	LYS	С	415			-13.471	10.050	1.00	81.84
15446	CD	LYS		415	-28.76	7 -	-12.345	9.387		82.89
15447	CE	LYS		415	-27.36		-12.798	8.990	1.00	
15448	NZ	LYS	C	415	-26.71	9 -	-11.844	8.034	1.00	83.60
15449	С	LYS		415	-33.07		-13.663	11.632	1.00	80.55
15450	Ō	LYS		415	-33.45		-12.486	11.603	1.00	80.52
15451	N	VAL		416	-33.61		-14.574	12.442	1.00	80.08
15452	CA	VAL	С	416	-34.76	2 -	-14.268	13.284	1.00	79.53
15453	CB	VAL	С	416	-35.93	88 -	-15.185	12.937	1.00	79.55
15454	CG1	VAL	С	416	-37.21	.5 -	-14.650	13.551	1.00	79.50
15455	CG2	VAL	С	416	-36.07	4 -	-15.318	11.424	1.00	79.34
15456	С	VAL	С	416	-34.49	5 -	-14.380	14.783	1.00	79.19
15457	0	VAL	С	416	-34.17	8 -	-15.455	15.294	1.00	79.08
15458	N	THR	С	417	-34.65	1 -	-13.262	15.483	1.00	78.72
15459	CA	THR	С	417	-34.44	17 -	-13.218	16.926	1.00	78.33
15460	CB	THR	С	417	-33.59	7 -	-11.975	17.298	1.00	78.39
15461	OG1	THR	С	417	-32.35	2 -	-12.003	16.587	1.00	78.51
15462	CG2	THR	С	417	-33.17	1 -	-12.022	18.760	1.00	78.40
15463	С	THR	С	417	-35.78		-13.144	17.657	1.00	77.84
15464	0	THR	С	417	-36.69	1 -	-12.438	17.214	1.00	77.89
15465	N	CYS	С	418	-35.91	.8 -	-13.882	18.760	1.00	77.08
15466	CA	CYS	С	418	-37.10	8 -	-13.774	19.604	1.00	76.44
15467	CB	CYS	С	418	-37.61	.6 -	-15.138	20.090	1.00	76.39
15468	SG	CYS	С	418	-39.13	36 -	-14.966	21.077	1.00	75.10
15469	C	CYS	С	418	-36.76	6 -	-12.909	20.809	1.00	76.30
15470	0	CYS	С	418	-36.13	3 -	-13.371	21.758	1.00	76.29
15471	N	LEU	С	419	-37.19	1 -	-11.656	20.791	1.00	75.89
15472	CA	LEU	С	419	-36.82	3 -	-10.766	21.879	1.00	75.66
15473	CB	LEU	С	419	-36.70	16	-9.322	21.388	1.00	75.74
15474	CG	LEU	С	419	-37.31	.1	-8.998	20.022	1.00	75.92
15475	CD1	LEU		419	-37.36		-7.485	19.819	1.00	75.85
15476	CD2	LEU		419	-36.51		-9.663	18.916	1.00	75.49
15477	C	LEU	С	419	-37.71		-10.840	23.113	1.00	75.43
15478	0	LEU		419	-37.68		-9.932	23.940	1.00	75.59
15479	N	SER		420	-38.46		-11.922	23.267	1.00	75.00
15480	CA	SER		420	-39.34		-12.032	24.435	1.00	74.63
15481	CB	SER		420	-40.74		-11.494	24.115	1.00	74.69
15482	OG	SER		420	-41.36		-12.236	23.073	1.00	74.18
15483	С	SER		420	-39.43		-13.424	25.056	1.00	74.41
15484	0	SER		420	-39.60		-13.550	26.268	1.00	74.04
15485	N	CYS		421	-39.31		-14.459	24.229	1.00	74.36
15486	CA	CYS		421	-39.45		-15.845	24.691	1.00	74.56
15487	CB	CYS		421	-39.02		-16.843	23.601	1.00	74.55
15488	SG	CYS		421	-39.79		-16.675	21.974	1.00	75.47
15489	С	CYS		421	-38.67		-16.178	25.973	1.00	74.43
15490	0	CYS		421	-39.18		-16.900	26.837	1.00	74.45
15491	N	GLU		422	-37.45		-15.658	26.100	1.00	74.20
15492	CA	GLU		422	-36.60		-16.038	27.223	1.00	73.99
15493	CB	GLU		422	-35.23		-16.521	26.706	1.00	74.21
15494	CG	GLU	С	422	-35.01	. 8	-18.026	26.809	1.00	75.59

FIGURE 3 KR

A	В	С	D	E	F	G	H	I	J
15405	or.	07.11		400	25 460	10 706	05 575	1 00	22 12
15495	CD	GLU		422		-18.796	25.575	1.00	77.17
15496	OE1			422		-18.406	24.455	1.00	77.82
15497	OE2	GLU		422		-19.806	25.728	1.00	78.01
15498	С	GLU		422		-15.021	28.345	1.00	73.45
15499	0	GLU		422	-35.564	-15.235	29.228	1.00	73.43
15500	N	LEU		423		-13.922	28.329	1.00	72.79
15501	CA	LEU		423		-12.903	29.363	1.00	72.14
15502	CB	LEU		423		-11.611	28.963	1.00	72.15
15503	CG	LEU		423		-11.097	27.539	1.00	72.52
15504	CD1	LEU		423	-38.348	-9.879	27.276	1.00	72.06
15505	CD2	LEU		423		-10.769	27.297	1.00	72.84
15506	С	LEU		423	-37.516	-13.381	30.708	1.00	71.58
15507	0	LEU		423	-37.027		31.769	1.00	71.53
15508	N	ASN		424		-14.227	30.638	1.00	70.83
15509	CA	ASN		424		-14.756	31.804	1.00	70.18
15510	CB	ASN		424		-13.680	32.435	1.00	70.20
15511	CG	ASN		424	-39.465	-13.000	33.636	1.00	70.68
15512		ASN		424		-13.518	34.755	1.00	70.96
15513	ND2	ASN		424	-38.882	-11.825	33.414	1.00	70.15
15514	С	ASN		424	-40.096	-15.898	31.319	1.00	69.55
15515	0	ASN		424	-41.312	-15.856	31.464	1.00	69.47
15516	N	PRO		425		-16.906	30.719	1.00	68.95
15517	CA	PRO		425	-40.203	-18.033	30.125		68.32
15518	CB	PRO		425		-19.008	29.749	1.00	68.30
15519	CG	PRO		425		-18.540	30.568		68.97
15520	CD	PRO		425		-17.048	30.548	1.00	68.93
15521	С	PRO		425	-41.197	-18.699	31.068	1.00	67.68
15522	0	PRO		425	-42.075		30.590	1.00	67.66
15523	N	GLU		426		-18.483	32.374	1.00	66.88
15524	CA	GLU		426	-42.016	-19.071	33.317	1.00	66.13
15525	CB	GLU		426		-19.432	34.647	1.00	66.25
15526	CG	GLU		426	-41.287	-20.931	34.915	1.00	66.77
15527	CD	GLU		426	-40.397	-21.685	33.936		67.43
15528	OE1	GLU		426	-40.744	-22.833	33.574	1.00	67.25
15529	OE2	GLU		426	-39.344	-21.141	33.538		67.61
15530	C	GLU		426	-43.256	-18.206	33.550	1.00	65.45
15531	0	GLU		426	-44.382	-18.709	33.516	1.00	65.35
15532	N	ARG		427		-16.909	33.767	1.00	64.39
15533	CA	ARG		427	-44.195	-16.040	34.035	1.00	63.52
15534	CB	ARG	С	427	-43.862	-15.025	35.134	1.00	63.40
15535	CG	ARG		427	-43.537	-13.633	34.636	1.00	62.75
15536	CD	ARG		427		-12.525	35.377		62.46
15537	NE	ARG	С	427	-43.531	-11.960	36.487		62.08
15538	CZ	ARG		427	-43.906	-10.893	37.183		62.69
15539		ARG		427	-43.146	-10.443	38.178		62.97
15540	NH2	ARG		427		-10.271	36.887	1.00	61.77
15541	C	ARG		427	-44.741	-15.331	32.792	1.00	63.08
15542	0	ARG	С	427		-14.803	32.818	1.00	62.99
15543	N	CYS		428	-43.985	-15.344	31.699	1.00	62.40
15544	CA	CYS		428		-14.605	30.505		61.91
15545	CB	CYS	С	428	-43.562	-13.330	30.381	1.00	61.92

FIGURE 3 KS

A	В	C	1	E		F		G		H	I	J
15546	00	ava		400	4.2	044	10	005	2.		1 00	60.74
15546	SG			428		.944				1.581	1.00	62.74
15547	C	CYS								9.183	1.00	61.46
15548	0	CYS		428		.222				3.658	1.00	61.37
15549	N	GLN		429		.451				3.632		61.12
15550	CA	GLN				.469				7.306	1.00	60.67
15551	CB	GLN				.514				7.382	1.00	60.76
15552	CG	GLN		429		.496				3.367	1.00	61.52
15553	CD	GLN		429		.191				3.709	1.00	63.25
15554	OE1	GLN		429		.054				3.599	1.00	64.26
15555	NE2			429		.959				9.122	1.00	63.65
15556	C	GLN		429		.594				5.430	1.00	60.28
15557	0			429		.020				5.457	1.00	60.09
15558	N	TYR		430		.061				5.793	1.00	59.73
15559 15560	CA	TYR		430 430		.094				5.042 5.675	1.00	59.11 58.89
	CB	TYR				.463						
15561	CG	TYR		430		.613				5.738	1.00	57.34
15562	CD1	TYR		430		.038				5.497	1.00	55.45
15563	CE1	TYR		430		.096				1.638	1.00	54.59
15564	CZ	TYR		430		.742				1.011	1.00	54.07
15565	OH	TYR		430		.790	-13			3.157	1.00	52.94
15566	CE2	TYR		430		.335				1.232	1.00	54.36
15567	CD2			430		.275				5.091	1.00	56.11
15568	C	TYR		430		.754				5.035	1.00	59.11
15569	0	TYR				.080				5.974	1.00	58.98
15570	N	TYR		431		.112				1.961	1.00	59.30
15571	CA	TYR		431		.578				1.879	1.00	59.63
15572	CB			431		.076				4.531	1.00	59.24
15573 15574	CG CD1	TYR		431		.723				5.720	1.00	58.79
				431				.805			1.00	58.19
15575 15576	CE1	TYR		431 431		.888 .461	-11	.986		7.579	1.00	57.16 56.79
15577		TYR		431		.625	-11			7.907	1.00	56.52
15578	OH CE2	TYR		431		.868				7.156	1.00	56.46
15579	CD2			431		.704				5.071	1.00	57.27
15580	CDZ	TYR		431		.280		.706		3.881	1.00	60.12
15581	0	TYR		431		.754	-10			2.833	1.00	59.87
15582	N	SER		431		.336		.424		1.234	1.00	60.66
15583	CA	SER		432		.800		.371		3.338	1.00	61.67
15584	CB	SER		432		.197		.866		3.714	1.00	61.67
15585	OG	SER		432		.153		.919		1.767	1.00	61.26
15586	C	SER				.759		.249		3.428	1.00	62.43
15587	0	SER		432 432		.048		.134		1.438	1.00	62.43
15588	N	VAL		433		.667		.421		2.394	1.00	63.14
						.611				2.345	1.00	
15589 15590	CA CB	VAL		433 433		.420		.414		1.500	1.00	63.65
15590	CG1	VAL		433		.830		.065		0.041	1.00	62.88
15591	CG2	VAL		433		.248		.975		1.617	1.00	63.51
15592	C	VAL		433		.038		.071		1.778	1.00	64.30
15593	0	VAL		433		.864		.989		0.864	1.00	64.16
15595	N	SER		434		.438		.021		2.323	1.00	65.16
15596	CA			434		.701		.658		1.897		66.07
20000	CII	SUE	~	101	43	. ,	-		~ -		1.00	50.07

FIGURE 3 KT

A	В	С	D	E	F	G	Н	I	J
15597	СВ	SER	С	434	-46.48	0.088	22.986	1.00	65.84
15598	OG	SER	C	434	-46.52	3 1.483	22.745	1.00	65.86
15599	c	SER		434	-44.37				66.81
15600	ō	SER		434	-43.54				67.02
15601	N	PHE		435	-44.15				67.72
15602	CA	PHE		435	-42.91				68.43
15603	CB		č	435	-42.48			1.00	68.25
15604	CG	PHE		435	-42.05				67.79
15605	CD1	PHE	č	435	-42.97			1.00	66.96
15606	CE1	PHE		435	-42.57				66.98
15607	CZ	PHE		435	-41.23				66.90
15608	CE2	PHE			-40.30				66.90
15609	CD2	PHE		435	-40.30				67.60
15610	C	PHE	c	435	-43.03			1.00	69.13
15611	0	PHE		435	-44.13				68.97
								1.00	
15612	N	SER		436	-41.89				70.15
15613	CA	SER		436	-41.84			1.00	71.10
15614	CB	SER		436	-40.53			1.00	71.07
15615	OG	SER		436	-39.41			1.00	71.13
15616	C	SER		436	-41.93			1.00	71.89
15617	0	SER		436	-41.80			1.00	71.91
15618	N	LYS		437	-42.14			1.00	72.83
15619	CA	LYS		437	-42.32			1.00	73.87
15620	CB	LYS		437	-42.06			1.00	73.91
15621	CG	LYS		437	-43.33			1.00	74.68
15622	CD	LYS		437	-44.30			1.00	75.43
15623	CE	LYS		437	-45.33			1.00	76.20
15624	NZ	LYS		437	-46.41			1.00	76.22
15625	С	LYS			-41.53			1.00	74.48
15626	0	LYS		437	-42.11			1.00	74.53
15627	Ν	GLU		438	-40.22			1.00	75.26
15628	CA	GLU		438	-39.39			1.00	76.16
15629	CB	GLU		438	-38.27			1.00	76.38
15630	CG	GLU		438	-38.11			1.00	77.93
15631	CD	GLU		438	-38.58			1.00	79.88
15632	OE1	GLU		438	-39.34			1.00	80.51
15633	OE2	GLU		438	-38.17			1.00	80.50
15634	С	GLU		438	-38.79			1.00	76.21
15635	0	GLU		438	-37.98			1.00	76.39
15636	N	ALA		439	-39.16			1.00	76.32
15637	CA	ALA		439	-38.74			1.00	76.52
15638	CB	ALA		439	-38.63			1.00	76.33
15639	C	ALA	С	439	-37.48		17.833	1.00	76.63
15640	0			439	-37.08			1.00	76.76
15641	N	LYS	С	440	-36.84			1.00	76.64
15642	CA	LYS		440	-35.64			1.00	76.67
15643	CB	LYS		440	-35.16			1.00	76.79
15644	CG	LYS		440	-34.29			1.00	77.61
15645	CD	LYS		440	-33.50			1.00	78.97
15646	CE	LYS	С	440	-32.50	5 7.221	18.049	1.00	79.50
15647	NZ	LYS	С	440	-33.16	2 8.106	17.037	1.00	78.84

FIGURE 3 KU

A	В	C	D	E	F	G	H	I	J
15648	С	LYS	0	440	-35.87	0 2.487	20.262	1.00	76.42
15649	0	LYS		440	-34.97			1.00	76.42
15650	N	TYR		441	-37.07			1.00	76.10
15651	CA	TYR		441	-37.40			1.00	75.67
15652	CB	TYR		441	-37.61			1.00	75.88
15653	CG	TYR		441	-36.51			1.00	76.85
15654	CD1	TYR		441	-36.45			1.00	77.32
15655	CE1	TYR		441	-35.46			1.00	78.17
15656	CZ	TYR		441	-34.50			1.00	78.56
15657	OH	TYR			-33.51			1.00	78.85
15658	CE2	TYR		441	-34.54			1.00	78.20
15659	CD2	TYR		441	-35.55			1.00	78.08
15660	С	TYR		441	-38.67			1.00	75.10
15661	0	TYR		441	-39.27			1.00	75.17
15662	N	TYR		442	-39.07			1.00	74.20
15663	CA	TYR		442	-40.30			1.00	73.30
15664	CB	TYR		442	-40.23			1.00	73.19
15665	CG	TYR		442	-39.19			1.00	73.21
15666	CD1	TYR		442	-37.91			1.00	73.11
15667	CE1	TYR		442	-36.96			1.00	72.43
15668	CZ	TYR		442	-37.28			1.00	72.27
15669	OH	TYR		442	-36.35			1.00	71.61
15670	CE2	TYR		442	-38.55			1.00	72.28
15671	CD2	TYR		442	-39.49			1.00	72.75
15672	С	TYR		442	-40.64			1.00	72.68
15673	0	TYR		442	-39.77			1.00	72.50
15674	N	GLN		443	-41.92			1.00	71.97
15675	CA	GLN		443	-42.37			1.00	71.05
15676	CB	GLN		443	-43.35			1.00	71.05
15677	CG	GLN		443	-44.81			1.00	71.02
15678	CD	GLN		443	-45.78			1.00	70.77
15679	OE1	GLN		443	-45.44			1.00	70.62
15680	NE2	GLN		443	-46.99			1.00	71.00
15681	С	GLN		443	-43.01			1.00	70.47
15682	0	GLN		443	-43.82			1.00	70.56
15683	N	LEU	С	444	-42.61			1.00	69.79
15684	CA	LEU		444	-43.17			1.00	68.88
15685	CB	LEU		444	-42.09			1.00	68.90
15686	CG	LEU		444	-41.49			1.00	69.17
15687	CD1	LEU		444	-42.60			1.00	69.11
15688	CD2	LEU		444	-40.52			1.00	69.33
15689	С	LEU		444	-44.21			1.00	68.42
15690	0	LEU		444	-44.08			1.00	68.41
15691	N	ARG		445	-45.25			1.00	67.87
15692	CA	ARG		445	-46.30			1.00	67.18
15693	CB	ARG		445	-47.48			1.00	67.37
15694	CG	ARG		445	-48.83			1.00	68.00
15695	CD	ARG		445	-49.99			1.00	68.96
15696	NE	ARG		445	-51.21			1.00	69.80
15697	CZ	ARG		445	-52.23			1.00	70.42
15698	NH1	ARG	С	445	-53.31	1 -5.890	26.566	1.00	71.22

FIGURE 3 KV

A	В	С	D	E	F		G	H	I	J
15699	NH2	ARG		445	-52.18		8.887	26.617		70.18
15700	С	ARG		445	-46.74		.810	27.905		66.40
15701	0	ARG		445	-47.30		3.182	26.878		66.41
15702	N	CYS		446	-46.45		3.630	28.906		65.62
15703	CA	CYS		446	-46.93		0.002	28.883		64.89
15704	CB	CYS	С	446	-45.87		.995	29.358		64.87
15705	SG		С	446	-45.77		1.242	31.141	1.00	64.37
15706	С	CYS		446	-48.17		.040	29.764	1.00	64.31
15707	0	CYS		446	-48.25		318	30.759		64.14
15708	N	SER		447	-49.13		.874	29.394	1.00	63.60
15709	CA	SER		447	-50.40		.907	30.101	1.00	62.98
15710	CB	SER		447	-51.55		.828	29.096		62.83
15711 15712	OG C	SER		447	-51.33 -50.55		2.146	28.172	1.00	62.79 62.53
15713	0	SER		447	-51.59		2.349	31.572		62.13
15714	N	GLY	c	448	-49.51		2.971	30.986		62.13
15714	CA	GLY		448	-49.54		1.203	31.753		62.09
15716	C	GLY		448	-48.49		5.176	31.252	1.00	62.13
15717	Ö	GLY		448	-47.73		1.849	30.345	1.00	62.20
15718	N	PRO		449	-48.48		5.389	31.798		62.06
15719	CA	PRO		449	-49.47		5.837	32.792	1.00	61.94
15720	CB	PRO		449	-49.27		3.354	32.816		61.99
15721	CG	PRO		449	-47.88		3.576	32.356		62.06
15722	CD	PRO		449	-47.49		.429	31.480		61.96
15723	C	PRO		449	-49.26			34.191		61.82
15724	0	PRO	C	449	-50.11			35.047	1.00	61.98
15725	N	GLY		450	-48.16			34.429		61.77
15726	CA	GLY	С	450	-47.94	1 -14	1.994	35.728	1.00	61.81
15727	С	GLY	С	450	-48.52	7 -13	3.603	35.696	1.00	62.02
15728	0	GLY	С	450	-49.13	2 -13	3.208	34.701	1.00	62.11
15729	N	LEU	С	451	-48.36		2.853	36.776	1.00	62.12
15730	CA	LEU		451	-48.86		L.495	36.807	1.00	62.43
15731	CB	LEU		451	-48.47		.814	38.111		62.43
15732	CG	LEU		451	-49.48		1.010	39.237	1.00	62.12
15733	CD1	LEU		451	-50.19		2.339	39.086		61.65
15734	CD2	LEU		451	-48.79		.894	40.595		62.13
15735	С	LEU		451	-48.28		.744	35.622	1.00	62.97
15736	0	LEU		451	-47.15		.006	35.216		63.03
15737	N	PRO		452	-49.06		.829	35.050	1.00	63.39
15738	CA	PRO		452	-48.60		0.061	33.894	1.00	63.77
15739	CB	PRO		452	-49.78		3.138	33.597	1.00	63.68
15740 15741	CG CD	PRO PRO		452 452	-50.94 -50.42		3.821 9.453	34.201	1.00	63.81
15741	CD			452	-47.37		3.255	35.457 34.269		63.48
15742	0	PRO PRO		452	-47.25		7.794	34.269		64.20
15744	N	LEU		453	-46.46		3.105	33.317		64.70
15745	CA	LEU		453	-45.21		7.400	33.545	1.00	65.40
15746	CB	LEU		453	-44.07		3.404	33.714		65.43
15747	CG	LEU	Č	453	-42.64		3.059	33.305		65.83
15748	CD1	LEU		453	-42.51		7.958	31.783		66.51
15749	CD2	LEU		453	-41.70		.131	33.827		66.40

FIGURE 3 KW

A	В	С	D	Е	F	G	H	I	J
15750	С	LEU	С	453	-44.947	-6.429	32.409	1.00	65.83
15751	0	LEU	С	453	-45.025	-6.778	31.231	1.00	65.92
15752	N	TYR		454	-44.629	-5.200	32.775	1.00	66.42
15753	CA	TYR		454	-44.380	-4.169	31.796	1.00	67.31
15754	CB	TYR		454	-45.315	-2.997	32.064	1.00	67.28
15755	CG	TYR		454	-46.767	-3.315	31.791	1.00	67.79
15756	CD1	TYR		454	-47.348	-2.994	30.569	1.00	67.78
15757	CE1	TYR		454	-48.672	-3.278	30.309	1.00	68.12
15758	CZ	TYR		454	-49.438	-3.901	31.272	1.00	68.30
15759	OH	TYR		454	-50.760	-4.182	31.007	1.00	67.89
15760	CE2	TYR		454	-48.885	-4.237	32.493	1.00	68.45
15761	CD2	TYR		454	-47.556	-3.942	32.747	1.00	68.05
15762	С	TYR		454	-42.920	-3.730	31.839	1.00	67.94
15763	0	TYR		454	-42.432	-3.270	32.869	1.00	68.23
15764	N	THR		455	-42.224	-3.881	30.715	1.00	68.86
15765	CA	THR		455	-40.806	-3.535	30.625	1.00	69.72
15766	CB	THR		455	-39.944	-4.807	30.654	1.00	69.58
15767	OG1	THR		455	-40.429	-5.742	29.680	1.00	69.76
15768	CG2	THR		455	-40.113	-5.545	31.972	1.00	69.53
15769	С	THR		455	-40.489	-2.763	29.353	1.00	70.50
15770	0	THR		455	-40.896	-3.161	28.265	1.00	70.60
15771 15772	N CA	LEU		456 456	-39.751 -39.348	-1.667 -0.865	29.494 28.347	1.00	71.35
15773	CB	LEU		456	-39.356	0.618	28.705	1.00	72.19
15774	CG	LEU		456	-39.810	1.623	27.644	1.00	72.39
15775	CD1	LEU		456	-39.333	3.017	28.027	1.00	73.23
15776	CD2	LEU		456	-39.333	1.258	26.263	1.00	72.51
15777	C	LEU		456	-37.943	-1.268	27.931	1.00	72.89
15778	ŏ	LEU		456	-37.017	-1.235	28.743	1.00	72.93
15779	N	HIS		457	-37.795	-1.652	26.667	1.00	73.68
15780	CA	HIS		457	-36.510	-2.063	26.121	1.00	74.39
15781	CB	HIS		457	-36.627	-3.454	25.503	1.00	74.53
15782	CG	HIS		457	-37.266	-4.468	26.400	1.00	75.22
15783	ND1	HIS		457	-36.673	-5.677	26.697	1.00	75.59
15784	CE1	HIS		457	-37.460	-6.366	27.504	1.00	75.51
15785		HIS		457	-38.546	-5.650	27.736	1.00	75.75
15786	CD2	HIS	С	457	-38.451	-4.460	27.056	1.00	75.56
15787	С	HIS	С	457	-36.039	-1.082	25.050	1.00	74.92
15788	0	HIS	С	457	-36.765	-0.161	24.683	1.00	74.94
15789	N	SER	С	458	-34.818	-1.288	24.556	1.00	75.63
15790	CA	SER	С	458	-34.252	-0.470	23.482	1.00	76.21
15791	CB	SER	С	458	-32.946	0.179	23.927	1.00	76.35
15792	OG	SER	С	458	-31.836	-0.522	23.385	1.00	76.31
15793	С	SER		458	-33.969	-1.353	22.277	1.00	76.66
15794	0	SER		458	-33.361	-2.410	22.415	1.00	76.64
15795	N	SER		459	-34.384	-0.906	21.094	1.00	77.37
15796	CA	SER		459	-34.227	-1.704	19.880	1.00	78.06
15797	CB	SER		459	-35.029	-1.100	18.723	1.00	78.08
15798	OG	SER		459	-34.251	-0.175	17.978	1.00	78.13
15799	С	SER		459	-32.772	-1.899	19.455	1.00	78.51
15800	0	SER	С	459	-32.366	-3.009	19.113	1.00	78.48

FIGURE 3 KX

A	В	С	D	Е	F	G	Н	I	J
15801	N	VAL	С	460	-31.998	-0.819	19.478	1.00	79.13
15802	CA	VAL		460	-30.602	-0.858	19.040	1.00	79.90
15803	CB	VAL		460	-29.736	0.163	19.792	1.00	79.91
15804	CG1	VAL		460	-28.318	0.173	19.222	1.00	80.28
15805	CG2	VAL		460	-30.360	1.548	19.718	1.00	80.14
15806	С	VAL		460	-29.963	-2.238	19.166	1.00	80.28
15807	0	VAL		460	-29.514	-2.810	18.176	1.00	80.25
15808 15809	N CA	ASN		461 461	-29.925 -29.330	-2.769 -4.082	20.383	1.00	80.95 81.65
15810	CB	ASN		461	-28.024	-3.933	21.393	1.00	81.78
15811	CG	ASN		461	-28.135	-2.928	22.517	1.00	82.56
15812	OD1	ASN		461	-27.865	-1.738	22.333		83.29
15813	ND2	ASN		461	-28.544	-3.399	23.693		83.11
15814	С	ASN		461	-30.259	-5.050	21.353	1.00	
15815	0	ASN		461	-29.916	-6.220	21.551		81.87
15816	N	ASP	С	462	-31.431	-4.553	21.750	1.00	81.95
15817	CA	ASP	С	462	-32.423	-5.352	22.472	1.00	81.99
15818	CB	ASP	С	462	-32.740	-6.648	21.728	1.00	82.05
15819	CG	ASP		462	-33.324	-6.399	20.367	1.00	82.51
15820	OD1	ASP		462	-33.222	-7.298	19.507		83.46
15821	OD2		С	462	-33.898	-5.331	20.064	1.00	83.21
15822	С	ASP		462	-31.988	-5.676	23.892		81.95
15823	0	ASP		462	-31.728	-6.836	24.226		81.98
15824 15825	N	LYS	С	463	-31.902	-4.650	24.726		81.70 81.59
15825	CA CB	LYS	C	463 463	-31.552 -30.126	-4.867 -4.390	26.118		81.72
15827	CG	LYS		463	-29.991	-2.932	26.824		82.48
15828	CD	LYS		463	-30.056	-2.752	28.339	1.00	83.36
15829	CE	LYS	č	463	-29.847	-1.288	28.725	1.00	84.04
15830	NZ	LYS		463	-30.056	-1.042	30.183		84.21
15831	С	LYS		463	-32.585	-4.194	27.005	1.00	81.24
15832	0	LYS	С	463	-33.152	-3.157	26.652	1.00	81.27
15833	N	GLY	С	464	-32.840	-4.803	28.152	1.00	80.82
15834	CA	GLY	С	464	-33.824	-4.280	29.072	1.00	80.31
15835	С	GLY		464	-33.284	-3.134	29.892	1.00	79.81
15836	0	GLY		464	-32.374	-3.321	30.698	1.00	79.89
15837	N	LEU		465	-33.841	-1.947	29.676	1.00	79.34
15838	CA	LEU		465	-33.459	-0.775	30.444	1.00	78.86
15839	CB		С	465	-34.036	0.504	29.839	1.00	78.85
15840 15841	CG CD1	LEU		465	-34.193 -34.575	0.662 2.102	28.329	1.00	78.87 78.99
15841	CD2	LEU		465 465	-34.575	0.278	27.581	1.00	79.34
15843	C	LEU		465	-33.998	-0.938	31.854	1.00	78.63
15844	Ö	LEU		465	-33.233	-1.099	32.812	1.00	78.68
15845	N	ARG		466	-35.322	-0.901	31.986	1.00	78.11
15846	CA	ARG		466	-35.924	-1.029	33.305	1.00	77.56
15847	CB	ARG		466	-36.070	0.343	33.963	1.00	77.73
15848	CG	ARG		466	-36.849	1.341	33.141	1.00	78.08
15849	CD	ARG	С	466	-36.820	2.753	33.701	1.00	78.74
15850	NE	ARG		466	-36.959	3.743	32.637	1.00	79.35
15851	CZ	ARG	С	466	-36.049	3.957	31.696	1.00	79.03

FIGURE 3 KY

15852 NH1 ARG C 466	A	В	С	D	Е	F	G	Н	I	J
15854 C	15852	NH1	ARG	С	466	-36.264	4.874	30.764	1.00	79.06
15855 O	15853	NH2	ARG	С	466	-34.922	3.257	31.683	1.00	78.58
15856 N VAL C 467		C	ARG	С	466					
15857 CA VAL C 467	15855	0	ARG	С	466		-2.141	32.322		77.09
15858 CB VAL C 467		N								
15859 CG1 VAL C 467										
15860 CG2 VAL C 467										
15861 C										
15862 O										
15863 N										
15864 CA										
15865 CB LEU C 468 -42.886 -0.161 33.116 1.00 73.36 15866 CB LEU C 468 -42.070 0.456 32.037 1.00 73.36 15867 CD1 LEU C 468 -42.744 0.538 30.717 1.00 73.69 15869 C LEU C 468 -43.1537 -0.684 35.541 1.00 72.83 15870 O LEU C 468 -43.1537 -0.684 35.541 1.00 72.50 15871 N GLU C 469 -43.711 1.1833 35.456 1.00 72.50 15873 C GLU C 469 -44.636 -2.365 36.464 1.00 71.43 15875 CD GLU C 469 -47.100 -2.496 37.094 1.00 71.46 15875 CD GLU C 469 -46.582 -2.900 33.735 1.00 71.29 15876 OEI JU C 469 -47.100 -2.496 37.094 1.00 71.67										
15866 CG LEU C 468										
15867 CD1 LEU C 468										
15868 CD2 LEU C 468										
15869 C										
15870 O LEU C 468 -43.418 0.118 36.435 1.00 72.50 15871 N GUU C 469 -43.711 -1.883 35.456 1.00 72.20 15872 CA GUU C 469 -44.636 -2.365 36.464 1.00 71.43 15873 CB GUU C 469 -47.100 -2.496 37.094 1.00 71.43 15876 OE IGU C 469 -46.816 -2.036 38.505 1.00 71.67 15877 OEI GUU C 469 -46.822 -2.900 39.375 1.00 71.67 15878 C GUU C 469 -46.827 -0.809 38.742 1.00 70.23 15878 C GUU C 469 -44.481 -3.873 36.546 1.00 70.65 15879 O GUU C 469 -44.481 -3.873 36.546 1.00 70.65 15880 N ASP C 470 -44.364 -4.581 35.526 1.00 70.65 15881 CA ASP C 470										
15871 N GLU C 69 -43.711 -1.883 35.456 1.00 72.20 15872 C GUU C 69 -46.636 -2.365 36.464 1.00 71.23 15873 CB GLU C 699 -46.070 -1.983 36.107 1.00 71.50 15875 CD GLU C 699 -46.816 -2.036 38.505 1.00 71.46 15877 OEZ GLU C 469 -46.822 -2.000 33.75 1.00 71.29 15878 C GLU C 469 -46.822 -2.000 33.75 1.00 71.29 15878 C GLU C 469 -44.441 -3.873 36.546 1.00 70.80 15880 N ASP C 470 -44.381 33.793 1.00 70.80 15880 N ASP C 470 -44.364 -4.398 37.757 1.00 70.21 15880 C ASP C 470 -42.8										
15872 CA GLU C 669 -44.636 -2.365 36.464 1.00 71.43 15873 CB GLU C 469 -46.070 -1.983 36.107 1.00 71.50 15874 CG GLU C 469 -47.100 -2.496 37.094 1.00 71.46 15875 CD GLU C 469 -46.816 -2.036 38.505 1.00 71.67 15877 OEZ GLU C 469 -46.827 -0.809 38.742 1.00 70.23 15878 O GLU C 469 -44.481 -3.873 36.546 1.00 70.25 15880 N ASP C 470 -44.445 -4.551 35.266 1.00 70.65 15881 CA ASP C 470 -44.364 -4.551 35.526 1.00 70.69 15883 CB ASP C 470 -42.800 -5.476 39.945 1.00 69.68 15885 OLZ ASP C 470 -42.690 -5.476 39.945 1.00 69.85										
15873 CB GLU C 69 -46.070 -1.983 36.107 1.00 71.50 15874 CG GLU C 69 -46.070 -2.1986 37.094 1.00 71.46 15875 CD GLU C 699 -46.816 -2.2036 38.505 1.00 71.67 15877 GE GLU C 469 -46.827 -0.809 38.742 1.00 72.31 15878 C GLU C 469 -44.445 -4.513 35.526 1.00 70.80 15880 N ASP C 470 -44.344 -4.358 37.577 1.00 70.21 15881 CA ASP C 470 -44.364 -4.398 37.957 1.00 79.62 15883 CB ASP C 470 -44.364 -4.398 37.957 1.00 79.65 15884 ODI ASP C 470 -42.690 5.476 39.945 1.00 79.69 15885 ODZ ASP C 470 -42.690 5.476 40.657 1.										
15874 CG GLU C 669 -47.100 -2.496 37.094 1.00 71.46 15875 CD GLU C 469 -46.816 -2.036 38.505 1.00 71.46 15876 OEI GLU C 469 -46.582 -2.900 39.375 1.00 71.29 15878 C GLU C 469 -44.841 -3.873 36.546 1.00 70.85 15879 O GLU C 469 -44.445 -3.873 36.546 1.00 70.65 15880 N ASP C 470 -44.364 -4.393 37.757 1.00 70.65 15881 CA ASP C 470 -44.864 -4.393 37.757 1.00 70.65 15882 CB ASP C 470 -42.830 -61.24 38.590 1.00 69.68 15883 CG ASP C 470 -42.830 -61.24 38.590 1.00 69.85 15885 OE ASP C 470 -43.553 -5.454 40.677 1.00 70.85 15887 O ASP C 470 -43.5										
15875 CD GLU C 69 -46.816 -2.036 38.505 1.00 171.67 15876 OEI GLU C 69 -46.827 -0.809 39.375 1.00 71.29 15877 OEZ GLU C 699 -44.841 -3.873 36.546 1.00 72.31 15880 O ASP C 470 -44.445 -45.51 35.526 1.00 70.65 15880 O ASP C 470 -44.177 -5.830 37.921 1.00 69.85 15883 C ASP C 470 -42.830 -6.124 38.500 1.00 69.85 15884 OE ASP C 470 -42.690 -5.476 39.945 1.00 70.65 15885 OE ASP C 470 -42.630 -6.124 38.500 1.00 70.95 15886 C ASP C 470 -43.555 -4.960 -5.476 40.677 1.00 70.48 <tr< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr<>										
15876 OE1 GUI C 69 -46.582 -2.900 39.375 1.00 71.29 15877 OE2 GUI C 69 -46.827 -0.809 38.742 1.00 72.31 15878 C GUU C 469 -44.481 -3.873 36.546 1.00 70.80 15880 N ASP C 470 -44.364 -4.551 35.262 1.00 70.65 15881 CA ASP C 470 -44.364 -4.398 37.757 1.00 70.65 15882 CB ASP C 470 -42.690 -5.476 38.590 1.00 69.68 15885 OD2 ASP C 470 -41.553 5.5476 39.945 1.00 70.85 15885 OD2 ASP C 470 -41.553 5.476 39.945 1.00 70.85 15887 OA ASP C 470 -41.553 5.476 39.945 1.00 71.98 15887 OA ASP C 470 -41.553 <td< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td<>										
15877 OEZ GLU C 69 -46.827 -0.809 38.742 1.00 72.31 15878 C GLU C 69 -44.481 -3.873 36.546 1.00 70.80 15879 O GLU C 69 -44.445 -4.551 35.526 1.00 70.65 15880 N ASP C 470 -44.177 -5.830 37.527 1.00 70.21 15882 CB ASP C 470 -42.830 -6.124 38.550 1.00 69.85 15885 OB ASP C 470 -42.690 -5.476 40.67 1.00 70.98 15885 OB ASP C 470 -43.650 -4.96 40.573 1.00 70.98 15886 C ASP C 470 -43.551 -5.454 40.67 1.00 70.98 15887 O ASP C 470 -45.312 -6.432 38.726 1.00 68.96 15887 O ASP C 470 -45.555 -7.761 3										
15878 C GUIU C 69 -44.481 -3.873 36.546 1.00 70.80 15880 N ASP C 70 -44.344 -4.551 35.526 1.00 70.65 15881 C ASP C -40 -44.348 37.757 1.00 69.85 15882 CB ASP C -40 -42.830 37.921 1.00 69.85 15883 CG ASP C 470 -41.553 -54.46 49.544 1.00 69.85 15885 OD ASP C 470 -41.553 -54.44 40.467 1.00 69.85 15886 OD ASP C 470 -41.553 -54.44 40.467 1.00 69.85 15886 O ASP C 470 -45.312 -6.432 38.726 1.00 68.96 15887 O ASP C 470 -45.356 -7.641										
15879 Q GLU C 669 -44.445 -4.551 35.526 1.00 70.65 15880 X ASP C 470 -44.364 -4.389 37.757 1.00 70.25 15881 CA ASP C 470 -44.177 -5.830 37.921 1.00 69.68 15882 CB ASP C 470 -42.800 -5.476 33.945 1.00 70.85 15884 ODI ASP C 470 -42.690 -5.476 39.945 1.00 70.95 15885 OD ASP C 470 -43.550 -4.968 40.573 1.00 71.98 15886 CD ASP C 470 -43.555 -4.943 38.726 1.00 68.96 15887 O ASP C 470 -45.555 -7.641 38.952 1.00 68.96 15889 CA ASN C 471 -46.223 -5.568 39.118 1.00 68.21 15899 CB ASN C 471 -47.381 -5.977 39.942 1.										
15880 N ASP C 470 -44.364 -4.398 37.757 1.00 70.21 15881 C ASP C 470 -44.177 -5.830 37.921 1.00 69.68 15882 CB ASP C 470 -42.830 -6.124 38.590 1.00 69.85 15884 ODI ASP C 470 -41.553 -5.476 39.945 1.00 70.85 15885 ODZ ASP C 470 -41.553 -5.454 40.467 1.00 71.98 15886 OZ ASP C 470 -43.656 -4.968 40.573 1.00 71.66 15887 O ASP C 470 -45.312 -6.432 38.726 1.00 68.96 15888 O ASP C 470 -45.356 -7.641 38.952 1.00 68.91 15887 O ASP C 470 -45.356 -7.641 38.952 1.00 68.91 15898 O A SN C 471 -46.223 -5.568 39.159 1.00 68.91 15890 C A SN C 471 -47.331 -5.977 39.942<										
15881 CA ASP C 470 -44.177 -5.830 37.921 1.00 69.68 15882 CB ASP C 470 -42.830 -61.24 38.590 1.00 69.68 15883 CG ASP C 470 -42.690 -5.476 39.945 1.00 70.85 15885 OSZ ASP C 470 -41.553 -5.454 40.467 1.00 71.98 15886 CB ASP C 470 -43.650 -4.92 38.726 1.00 68.96 15887 ASP C 470 -45.356 -7.641 38.952 1.00 68.96 15888 N ASN C 470 -45.356 -7.643 38.952 1.00 68.96 15889 N ASN C 471 -46.223 -5.568 39.119 1.00 68.21 15890 CB ASN C 471 -47.831 -5.977 39.412 1.00 67.33 15891 CG ASN C 471 -49.287 -6.051 33.364 1.00 67.63 </td <td></td>										
15883 CG ASP C 470 -42.690 -5.476 39.945 1.00 70.85 15884 ODI ASP C 470 -43.650 -4.968 40.467 1.00 71.98 15885 OD2 ASP C 470 -43.650 -4.968 40.573 1.00 71.66 15886 C ASP C 470 -45.356 -7.641 38.952 1.00 68.96 15888 N ASN C 471 -46.223 -5.568 39.159 1.00 68.21 15898 CA ASN C 471 -47.381 -5.977 39.942 1.00 67.33 15891 CG ASN C 471 -48.323 -6.862 39.118 1.00 67.33 15892 ODI ASN C 471 -50.247 -5.433 38.976 1.00 65.65 15893 ND2 ASN C 471 -47.802 -7.423 41.866 1.00 67.41 15895 CA ASN C 471 -47.802 -7.423 41.866 1.00 67.41 15896 N SER C 472 -45.839 -6.325 41.779 1.00 67.15 15899 CA SER C 472 -45.432 -6.872 43.969 1.00 66.97 15899 OSER C 472 -44.074 -6.287 43.946 1.00 67.26 15899 OSER C 472 -44.074 -6.287 43.946 1.00 67.26 15899 OSER C 472 -44.074 -6.570 44.093 1.00 67.26 15900 OSER C 472 -46.507 -6.570 44.093 1.00 66.57 15901 OSER C 472 -46.507 -6.570 44.093 1.00 66.57										
15883 CG ASP C 470 -42.690 -5.476 39.945 1.00 70.85 15884 ODI ASP C 470 -43.650 -4.968 40.467 1.00 71.98 15885 OD2 ASP C 470 -43.650 -4.968 40.573 1.00 71.66 15886 C ASP C 470 -45.356 -7.641 38.952 1.00 68.96 15888 N ASN C 471 -46.223 -5.568 39.159 1.00 68.21 15898 CA ASN C 471 -47.381 -5.977 39.942 1.00 67.33 15891 CG ASN C 471 -48.323 -6.862 39.118 1.00 67.33 15892 ODI ASN C 471 -50.247 -5.433 38.976 1.00 65.65 15893 ND2 ASN C 471 -47.802 -7.423 41.866 1.00 67.41 15895 CA ASN C 471 -47.802 -7.423 41.866 1.00 67.41 15896 N SER C 472 -45.839 -6.325 41.779 1.00 67.15 15899 CA SER C 472 -45.432 -6.872 43.969 1.00 66.97 15899 OSER C 472 -44.074 -6.287 43.946 1.00 67.26 15899 OSER C 472 -44.074 -6.287 43.946 1.00 67.26 15899 OSER C 472 -44.074 -6.570 44.093 1.00 67.26 15900 OSER C 472 -46.507 -6.570 44.093 1.00 66.57 15901 OSER C 472 -46.507 -6.570 44.093 1.00 66.57	15882	CB	ASP	С	470	-42.830	-6.124	38.580	1.00	69.85
15885 ODZ ASP C 470 -43.650 -4,968 40.573 1.00 71.66 15887 O ASP C 470 -45.312 -6.432 38.726 1.00 68.96 15888 O ASD C 470 -46.223 -5.568 39.159 1.00 68.21 15898 C ASN C 471 -47.381 -5.977 39.942 1.00 67.33 15891 C ASN C 471 -49.373 -6.053 38.364 1.00 67.33 15893 OL ASN C 471 -49.287 -6.682 39.118 1.00 67.33 15893 NDZ ASN C 471 -49.287 -6.051 37.034 1.00 65.67 15894 C ASN C 471 -47.021 -6.633 41.261 1.00 67.41 15895 O ASN C 471		CG			470					
15886 C ASP C 470 -45.312 -6.432 38.726 1.00 68.96 15887 O ASP C 470 -45.556 -7.641 38.952 1.00 68.96 15888 N ASN C 471 -46.223 -5.568 39.159 1.00 68.21 15890 CB ASN C 471 -48.323 -6.862 39.118 1.00 67.52 15892 DI ASN C 471 -48.323 -6.053 39.136 1.00 66.65 15892 DI ASN C 471 -50.247 -5.433 38.976 1.00 65.67 15894 C ASN C 471 -47.281 -6.631 41.261 1.00 67.41 15895 O ASN C 471 -47.802 -7.423 41.261 1.00 67.41 15895 O ASN C 471 -47.802 -7.423 41.261 1.00 67.41 15897 CA SER C 472 -45.839 -6.325 41.791 1.00 67.26 15899 G SER C 472 -44.206 -4.939 43.995	15884	OD1	ASP	С	470	-41.553	-5.454	40.467	1.00	71.98
15887 O ASP C 470 -45.356 -7.641 38.952 1.00 68.81 15888 N ASN C 471 -46.223 -5.568 39.159 1.00 68.21 15890 CB ASN C 471 -47.381 -5.977 39.942 1.00 67.32 15891 CB ASN C 471 -49.373 -6.653 38.364 1.00 66.73 15892 OLI ASN C 471 -49.287 -6.051 37.024 1.00 65.67 15894 C ASN C 471 -47.021 -6.613 31.261 1.00 67.42 15895 O ASN C 471 -47.021 -6.613 31.261 1.00 67.42 15895 O ASN C 471 -47.802 -7.423 41.261 1.00 67.42 15895 O ASN C 471 -47.802 -7.423 41.266 1.00 67.41 15896	15885	OD2	ASP	С	470	-43.650	-4.968	40.573	1.00	71.66
15888 N ASN C 471 -46.223 -5.568 39.159 1.00 68.21 15899 CB ASN C 471 -47.381 -5.977 39.424 1.00 67.52 15891 CG ASN C 471 -48.323 -6.862 39.118 1.00 67.33 15892 ODI ASN C 471 -50.247 -54.33 38.976 1.00 65.65 15894 C ASN C 471 -47.221 -6.631 31.234 1.00 64.42 15895 O ASN C 471 -47.802 -7.423 41.266 1.00 67.41 15895 O ASN C 471 -47.802 -7.423 41.806 1.00 67.41 15895 O ASN C 471 -47.802 -7.423 41.806 1.00 67.41 15896 N SER C 472 -45.839 -6.325 41.779 1.00 67.51 15899 O SER C 472 -44.206 -49.393 43.296 1.00	15886	C	ASP	С	470	-45.312	-6.432	38.726	1.00	68.96
15889 CA ASN C 471 -47.381 -5.977 39.942 1.00 67.52 15891 CG ASN C 471 -48.323 -6.682 39.118 1.00 67.33 15892 OLD ASN C 471 -49.373 -6.053 38.364 1.00 66.56 15893 ND ASN C 471 -49.287 -6.051 37.034 1.00 64.65 15894 C ASN C 471 -47.221 -6.643 41.261 1.00 67.42 15895 O ASN C 471 -47.802 -7.423 41.806 1.00 67.42 15896 N SER C 472 -45.839 -6.325 41.779 1.00 67.41 15899 G SER C 472 -445.422 -6.872 43.496 1.00 67.21 15899 G SER C 472 -44.206 -49.39 43.292 1.00 67.21 15900		0			470					
15890 CB ASN C 471 -48.323 -6.862 39.118 1.00 67.33 15891 CG ASN C 471 -49.373 -6.053 38.364 1.00 66.65 15892 ODI ASN C 471 -50.247 -54.33 38.976 1.00 65.65 15894 C ASN C 471 -47.021 -6.633 41.261 1.00 67.42 15895 O ASN C 471 -47.802 -7.423 41.806 1.00 67.41 15896 N SER C 472 -45.839 -6.325 41.779 1.00 67.97 15899 CB SER C 472 -44.074 -6.287 43.496 1.00 67.26 15899 OG SER C 472 -44.074 -6.287 43.996 1.00 67.26 15900 C SER C 472 -44.506 -4.939 43.992 1.00 67.57 15901	15888	N	ASN	С	471	-46.223	-5.568	39.159	1.00	68.21
15891 CG ASN C 471 -49.373 -6.053 38.364 1.00 66.65 15892 ODI ASN C 471 -50.247 -5.433 38.976 1.00 65.67 15893 ND2 ASN C 471 -49.287 -6.051 37.034 1.00 64.42 15895 O ASN C 471 -47.2021 -6.643 41.261 1.00 67.42 15895 O ASN C 471 -47.802 -7.423 41.806 1.00 67.41 15896 N 3ER C 472 -45.839 -6.325 41.779 1.00 67.15 15897 CA SER C 472 -45.422 -6.872 43.059 1.00 66.97 15899 CB SER C 472 -44.074 -6.287 43.496 1.00 67.26 15899 OS SER C 472 -44.006 -4.939 43.929 1.00 66.57 15900 C SER C 472 -46.507 -6.570 44.093 1.00 66.57 15901 O SER C 472 -46.303 -7.413 44.930 1.00 66.57										
15892 OD1 ASN C 471 -50.247 -5.433 38.976 1.00 65.67 15893 ND2 ASN C 471 -47.021 -6.643 41.261 1.00 67.42 15895 O ASN C 471 -47.802 -7.423 41.806 1.00 67.41 15896 N SER C 472 -45.839 -6.325 41.779 1.00 67.51 15897 CA SER C 472 -45.422 -6.872 43.496 1.00 67.26 15899 CB SER C 472 -44.074 -6.287 43.496 1.00 67.26 15899 CB SER C 472 -44.074 -6.287 43.496 1.00 67.26 15900 C SER C 472 -46.507 -6.570 44.093 1.00 66.57 15901 O SER C 472										
15893 ND2 ASN C 471 -49.287 -6.051 37.034 1.00 64.42 15894 C ASN C 471 -47.221 -6.631 41.261 1.00 67.42 15895 O ASN C 471 -47.802 -7.423 41.806 1.00 67.41 15897 CA SER C 472 -45.839 -6.325 41.779 1.00 66.75 15899 CB SER C 472 -44.074 -6.287 43.956 1.00 67.26 15900 C SER C 472 -44.506 -4.939 33.929 1.00 66.57 15901 SER C 472 -46.507 -6.570 44.093 1.00 66.57 15901 SER C 472 -46.803 -7.413 44.930 1.00 66.57										
15894 C ASN C 471 -47.021 -6.643 41.261 1.00 67.42 15895 O ASN C 471 -47.802 -7.423 41.806 1.00 67.41 15896 N SER C 472 -45.839 -6.325 41.779 1.00 67.92 15898 CB SER C 472 -45.422 -6.872 43.496 1.00 67.21 15899 OG SER C 472 -44.206 -4.939 43.929 1.00 67.21 15900 C SER C 472 -46.507 -6.570 40.931 1.00 66.57 15901 O SER C 472 -46.830 -7.413 44.930 1.00 66.57										
15895 O ASN C 471 -47.802 -7.423 41.806 1.00 67.41 15896 N SER C 472 -45.839 -6.325 41.779 1.00 67.15 15897 CA SER C 472 -45.422 -6.872 43.059 1.00 66.97 15899 G SER C 472 -44.074 -6.287 43.96 1.00 67.26 15900 C SER C 472 -46.507 -6.570 44.093 1.00 66.57 15901 O SER C 472 -46.803 -7.413 34.4930 1.00 66.57										
15896 N SER C 472 -45.839 -6.325 41.779 1.00 67.15 15897 CA SER C 472 -45.422 -6.872 43.059 1.00 66.97 15898 CB SER C 472 -44.074 -6.287 43.496 1.00 67.26 15900 C SER C 472 -44.206 -4.939 43.999 1.00 67.21 15900 C SER C 472 -46.507 -6.570 44.093 1.00 66.57 15901 O SER C 472 -46.830 -7.413 44.930 1.00 66.65										
15897 CA SER C 472 -45.422 -6.872 43.059 1.00 66.97 15898 CB SER C 472 -44.074 -6.287 43.496 1.00 67.26 15899 OG SER C 472 -44.206 -4.939 43.929 1.00 67.21 15900 C SER C 472 -46.507 -6.570 44.093 1.00 66.57 15901 O SER C 472 -46.803 -7.413 44.930 1.00 66.53										
15898 CB SER C 472 -44.074 -6.287 43.496 1.00 67.26 15899 OG SER C 472 -44.206 -4.939 43.929 1.00 67.21 15900 C SER C 472 -46.507 -6.570 44.093 1.00 66.57 15901 O SER C 472 -46.830 -7.413 44.930 1.00 66.57										
15899 OG SER C 472										
15900 C SER C 472 -46.507 -6.570 44.093 1.00 66.57 15901 O SER C 472 -46.830 -7.413 44.930 1.00 66.63										
15901 O SER C 472 -46.830 -7.413 44.930 1.00 66.63										

FIGURE 3 KZ

15903 CA ALA C 473 -48.153 -4.986 44.929 1.00 65.34 15904 CB ALA C 473 -49.56 -6.046 44.945 1.00 65.11 15905 C ALA C 473 -49.56 -6.046 44.945 1.00 65.11 15907 N LEU C 474 -49.754 -6.384 43.758 1.00 64.90 15907 N LEU C 474 -50.807 -7.379 43.619 1.00 64.90 15909 CB LEU C 474 -51.807 -7.379 43.619 1.00 64.91 15910 CD LEU C 474 -52.333 -8.548 41.927 1.00 64.03 15911 CD LEU C 474 -52.333 -8.548 41.927 1.00 64.03 15911 CD LEU C 474 -52.330 -9.023 40.495 1.00 64.25 15913 CD LEU C 474 -53.868 -7.987 42.297 1.00 64.03 15912 CD LEU C 474 -53.307 -9.023 40.495 1.00 64.25 15913 C LEU C 474 -51.001 -9.431 44.843 1.00 64.02 15915 C ASP C 475 -48.474 -10.321 44.079 1.00 64.15 15916 CA ASP C 475 -46.445 -11.744 43.570 1.00 64.15 15912 C ASP C 475 -46.454 -11.744 43.570 1.00 64.15 15920 CD ASP C 475 -46.454 -11.744 43.570 1.00 64.15 15920 CD ASP C 475 -46.465 -10.495 44.563 1.00 64.15 15922 C ASP C 475 -48.565 -10.495 44.563 1.00 64.15 15922 C ASP C 475 -48.565 -10.495 45.590 1.00 64.15 15922 C ASP C 475 -48.396 -9.393 46.361 1.00 64.15 15922 C ASP C 476 -48.396 -9.393 46.361 1.00 64.15 15922 C ASP C 476 -48.396 -9.393 46.361 1.00 64.15 15922 C ASP C 476 -48.396 -9.393 46.361 1.00 64.15 15922 C ASP C 476 -48.396 -9.393 46.361 1.00 64.15 15922 C ASP C 476 -47.25 -6.847 50.368 1.00 64.15 15923 C LYS C 476 -47.25 -6.847 50.368 1.00 64.15 15924 C LYS C 476 -47.25 -6.847 50.368 1.00 64.15 15924 C LYS C 476 -47.25 -6.847 48.361 1.00 64.15 15933 C LYS C 476 -47.25 -6.847	A	В	С	D	Е	F	G	H	I	J
15905 C	15903	CA	ALA	С	473	-48.153	-4.986	44.929	1.00	65.34
15905 C	15904	CB	ALA	C	473	-48.726	-3.633	44.537	1.00	65.11
15906 O										
15907 N										
15908 CA LEU C 474										
15910 CB LEU C 474 -51.247 -7.500 42.160 1.00 64.23 15911 CD1 LEU C 474 -52.333 -8.548 41.927 1.00 64.01 15912 CD2 LEU C 474 -53.688 -7.987 42.297 1.00 64.01 15912 CD2 LEU C 474 -50.307 -8.725 44.108 1.00 64.25 15913 C LEU C 474 -50.307 -8.725 44.108 1.00 64.25 15914 C LEU C 474 -50.307 -8.725 44.108 1.00 64.25 15915 N ASP C 475 -49.094 -9.068 43.690 1.00 64.12 15916 CA ASP C 475 -49.094 -9.068 43.690 1.00 64.12 15917 CB ASP C 475 -48.474 -10.321 44.079 1.00 64.15 15919 CA ASP C 475 -47.013 -10.321 44.079 1.00 64.15 15919 CA ASP C 475 -46.445 -11.744 43.627 1.00 64.15 15919 CA ASP C 475 -46.445 -11.744 43.627 1.00 64.15 15919 CA ASP C 475 -46.423 -12.504 44.563 1.00 64.36 15921 C ASP C 475 -48.811 -11.593 46.931 1.00 64.15 15921 C ASP C 475 -48.811 -11.593 46.966 1.00 64.06 15922 C ASP C 475 -48.811 -11.593 46.913 1.00 64.15 15922 C ASP C 476 -48.396 -9.393 46.313 1.00 64.16 15922 C ASP C 476 -48.396 -9.393 46.313 1.00 64.15 15922 C LYS C 476 -47.967 -8.075 49.855 1.00 64.59 15922 C LYS C 476 -47.967 -8.075 49.855 1.00 64.39 15922 C LYS C 476 -47.967 -8.075 49.856 1.00 64.39 15932 C LYS C 476 -47.967 -6.847 59.368 1.00 64.59 15932 C LYS C 476 -47.967 -6.847 59.368 1.00 64.59 15932 C LYS C 476 -47.967 -7.65 49.855 -1.00 69.15 15933 C LYS C 476 -47.967 -6.847 59.368 1.00 63.93 15933 C LYS C 476 -47.967 -7.805 49.867 1.00 69.15 15933 C LYS C 476 -47.967 -7.805 49.867 1.00 69.15 15933 C LYS C 476 -47.967 -7.805 49.867 1.00 69.15 15934 C MET C 477 -53.160 -9.152 49.855 1.00 60.39 15934 C MET C 477 -53.160 -9.152 49.855 1.00 60.39 15934 C M										
15910 CG LEU C 474										
15912 CD2 LBU C 474										
15912 CD2 LEU C 474										
15913 C										
15914 O										
15916 N ASP C 475										
15916 CA ASP C 475										
15918 CG ASP C 475										
15918 CG										
15910 ODJ ASP C 475										
15920 OZ ASP C 475										
15922 C										
15922 O										
15923 N LYS C 476 -48.396 -9.393 46.313 1.00 64.14 15925 CB LYS C 476 -47.965 -8.075 48.336 1.00 64.39 15926 CB LYS C 476 -47.965 -8.075 48.336 1.00 64.39 15926 CB LYS C 476 -47.947 -8.027 49.855 1.00 66.02 15929 NZ LYS C 476 -47.675 6-6.905 49.867 1.00 69.19 15930 C LYS C 476 -47.974 -1.760 49.366 1.00 64.23 15931 C LYS C 476 -49.722 -9.847 48.361 1.00 64.23 15932 N MET C 477 -50.800 -9.182 47.958 1.00 64.16 15933 C MET C 477 -50.800 -9.122 47.958 1.00 64.16 15934										
15924 CA										
15925 CB LYS C 476 -47.965 -8.075 48.336 1.00 64.59 15927 CD LYS C 476 -47.947 -8.027 49.855 1.00 66.02 15928 CE LYS C 476 -47.125 -6.847 50.368 1.00 68.02 15929 NZ LYS C 476 -44.857 -5.764 50.383 1.00 70.91 15930 C LYS C 476 -44.774 -10.760 49.186 1.00 64.23 15931 O LYS C 476 -49.772 -9.847 49.366 1.00 63.23 15932 N MET C 477 -50.800 -9.122 47.958 1.00 64.16 15933 CA MET C 477 -53.177 -7.856 46.853 1.00 64.19 15934 CB MET C 477 -53.177 -7.856 46.831 1.00 65.27 15936 <td></td>										
15926 CG										
15928 CE LYS C 476										
15928 CE LYS C 476 -45.676 -6.905 49.867 1.00 69.19 15929 NZ LYS C 476 -44.857 -5.764 50.383 1.00 76.971 15930 C LYS C 476 -49.772 -9.847 48.361 1.00 64.23 15931 O LYS C 476 -49.772 -9.847 48.361 1.00 64.23 15932 N MET C 477 -50.800 -9.182 47.958 1.00 64.16 15934 C MET C 477 -52.107 -9.517 48.516 1.00 63.91 15936 MET C 477 -53.177 -7.856 46.853 1.00 65.27 15936 MET C 477 -54.919 -6.231 48.266 1.00 67.00 15938 C MET C 477 -54.40 -11.492 48.709 1.00 63.47 15940 N LEU										
15929 NZ LYS C 476 -44.857 -5.764 50.383 1.00 70.07 .07	15927	CD	LYS	С	476			50.368	1.00	68.48
15930 C LYS C 476 -49.722 -9.847 48.361 1.00 64.23 15931 N MET C 477 -50.800 -9.182 47.958 1.00 64.26 15932 N MET C 477 -50.800 -9.182 47.958 1.00 64.16 15934 CB MET C 477 -52.107 -9.517 48.516 1.00 64.16 15936 SD MET C 477 -53.136 -8.409 48.273 1.00 64.16 15936 SD MET C 477 -53.177 -7.856 46.863 1.00 65.27 15938 CB MET C 477 -54.919 -6.231 48.286 1.00 67.00 15938 C MET C 477 -53.440 -11.492 48.709 1.00 63.47 15940 N LEU C 478 -52.079 -11.359 46.930 1.00 62.62 15941 CA LEU C 478 -52.065 -12.807 44.947 1.	15928	CE	LYS	С	476			49.867	1.00	69.19
15931 O	15929	NZ			476			50.383	1.00	70.07
15932 N MET C 477 -50.800 -9.182 47.958 1.00 64.16 15933 CA MET C 477 -52.107 -9.517 48.516 1.00 64.16 15934 CB MET C 477 -53.136 -8.409 48.273 1.00 64.91 15936 SD MET C 477 -53.177 -7.856 46.854 1.00 65.27 15938 S MET C 477 -53.849 -6.168 46.854 1.00 66.50 15938 C MET C 477 -54.919 -6.231 48.266 1.00 67.00 15940 N LEU C 478 -52.467 -11.492 48.709 1.00 63.47 15941 CA LEU C 478 -52.457 -12.668 46.419 1.00 62.15 15942 CB LEU C 478 -52.067 -12.266 46.419 1.00 62.15 15943 CB LEU C 478 -52.065 -10.80 44.247 1.00	15930	С	LYS	С	476	-49.722	-9.847	48.361	1.00	64.23
15938 CA MET C 477	15931	0	LYS	С	476	-49.774	-10.760	49.186	1.00	63.98
15936 CB MET C 477	15932	N	MET	С	477	-50.800	-9.182	47.958	1.00	64.16
15936 CG MET C 477 -53.177 -7.856 46.863 1.00 65.27	15933	CA	MET	С	477	-52.107	-9.517	48.516	1.00	63.91
15936 SD MET C 477 -53.849 -6.168 46.854 1.00 66.51 15938 C MET C 477 -52.610 -10.877 48.047 1.00 67.00 15939 O MET C 477 -52.610 -10.877 48.047 1.00 63.37 15940 N LEU 478 -52.079 -11.359 46.930 1.00 62.15 15942 CB LEU 478 -52.457 -12.668 46.419 1.00 62.15 15943 CG LEU 478 -52.507 -12.254 43.894 1.00 61.31 15944 CD1 LEU 478 -52.507 -12.236 42.565 1.00 60.38 15945 CD2 LEU 478 -52.507 -12.236 42.265 1.00 62.27 15946 CD LEU 478 -55.507 -13.806 47.249 1.00 62.	15934	CB	MET	С	477	-53.136	-8.409	48.273	1.00	64.19
15938 C	15935	CG	MET	С	477	-53.177	-7.856	46.863	1.00	65.27
15938 C MET C 477 -52.610 -10.877 48.047 1.00 63.33 15939 O MET C 477 -52.610 -10.877 48.047 1.00 63.37 15940 N LEU C 478 -52.079 -11.359 46.930 1.00 62.15 15942 CB LEU 478 -52.457 -12.668 46.419 1.00 62.15 15943 CG LEU 478 -52.507 -12.236 42.565 1.00 60.38 15944 CD1 LEU 478 -52.507 -12.236 42.565 1.00 60.38 15945 CD2 LEU 478 -54.119 -11.432 44.297 1.00 60.78 15945 C LEU 478 -51.859 -13.806 47.249 1.00 62.27 15947 O LEU 478 -52.221 -14.973 47.074 41.00 62.	15936	SD	MET	С	477	-53.849	-6.168	46.854	1.00	66.51
15939 O MET C 477 -53.440 -11.492 48.709 1.00 63.47 15940 N LEU C 478 -52.079 -11.399 46.930 1.00 62.05 15941 CA LEU C 478 -52.457 -12.668 46.419 1.00 62.05 15943 CB LEU C 478 -53.148 -12.599 44.947 1.00 61.93 15945 CD LEU C 478 -53.148 -12.599 43.894 1.00 61.38 15945 CD LEU C 478 -54.19 -11.432 44.297 1.00 60.38 15946 C LEU C 478 -51.859 -13.806 47.249 1.00 62.27 15947 O LEU C 478 -51.859 -13.806 47.249 1.00 62.27 15948 N GEN C 478 -52.921 -14.973 47.074 41.00 62.31 15949 CA ELO C 478 -52.941 -13.467 48.150 1.00	15937	CE	MET	С	477	-54.919	-6.231	48.286	1.00	67.00
15940 N	15938	C	MET	С	477	-52.610	-10.877	48.047	1.00	63.33
15941 CA	15939	0	MET	С	477	-53.440	-11.492	48.709	1.00	63.47
15942 CB LEU C 478 -52.065 -12.807 44.947 1.00 62.00 15943 CG LEU C 478 -52.507 -12.236 42.565 1.00 60.38 15945 CD LEU C 478 -54.119 -11.432 44.297 1.00 60.55 15946 C LEU C 478 -54.119 -11.432 44.297 1.00 60.55 15947 O LEU C 478 -52.221 -14.973 47.074 1.00 62.27 15949 N GIN C 479 -50.941 -13.467 48.150 1.00 62.31 15950 CB GUN C 479 -49.098 -13.887 49.101 1.00 62.77 15951 CB GUN C 479 -47.967 -13.458 48.804 1.00 62.77 15952 CB GUN C 479 -47.054 -12.472 49.949 1.00 63.97	15940	N	LEU	С	478	-52.079	-11.359	46.930	1.00	62.62
15943 CG LEU C 478 -53.148 -12.549 43.894 1.00 61.31 15944 CD1 LEU C 478 -52.507 -12.236 42.565 1.00 60.38 15945 CD2 LEU C 478 -54.119 -11.432 44.297 1.00 60.25 15947 LEU C 478 -51.859 -13.806 47.249 1.00 62.27 15948 N GLN C 479 -50.941 -13.467 48.150 1.00 62.31 15949 CA GLN C 479 -50.941 -13.467 48.150 1.00 62.31 15949 CA GLN C 479 -50.316 -14.468 49.010 1.00 62.31 15950 CB GLN C 479 -47.967 -13.458 48.804 1.00 63.97 15951 CG GLN C 479 -47.967 -13.458 48.804 1.00 63.97 15952 CD GLN C 479 -47.967 -13.458 48.804 1.00 63.97	15941	CA	LEU	С	478	-52.457	-12.668	46.419	1.00	62.15
15944 CD1 LEU C 478 -52.507 -12.236 42.565 1.00 60.58 15945 CD LEU C 478 -54.119 -11.432 44.297 1.00 60.53 15946 C LEU C 478 -51.859 -13.806 47.249 1.00 62.27 15947 O LEU C 478 -52.221 -14.973 47.074 1.00 62.11 15948 N GLN C 479 -50.941 -13.467 46.150 1.00 62.41 15950 CB GLN C 479 -49.098 13.887 49.719 1.00 62.73 15951 CG GLN C 479 -47.967 -13.458 48.804 1.00 63.97 15952 CD GLN C 479 -47.057 12.472 49.497 1.00 62.33	15942	CB	LEU	С	478		-12.807	44.947		
15944 CD1 LEU C 478 -52.507 -12.236 42.565 1.00 60.58 15945 CD LEU C 478 -54.119 -11.432 44.297 1.00 60.53 15946 C LEU C 478 -51.859 -13.806 47.249 1.00 62.27 15947 O LEU C 478 -52.221 -14.973 47.074 1.00 62.11 15948 N GLN C 479 -50.941 -13.467 46.150 1.00 62.41 15950 CB GLN C 479 -49.098 13.887 49.719 1.00 62.73 15951 CG GLN C 479 -47.967 -13.458 48.804 1.00 63.97 15952 CD GLN C 479 -47.057 12.472 49.497 1.00 62.33	15943	CG	LEU	С	478	-53.148	-12.549	43.894	1.00	61.31
15946 C LEU C 478 -51.859 -13.806 47.249 1.00 62.27 15947 O LEU C 478 -52.221 -14.973 47.074 1.00 62.11 15948 N GLN C 479 -50.941 -13.467 48.150 1.00 62.31 15950 CB GLN C 479 -50.316 -14.468 49.719 1.00 62.41 15950 CB GLN C 479 -49.098 -13.887 49.719 1.00 62.37 15951 CG GLN C 479 -47.967 -13.458 48.804 1.00 63.97 15952 CD GLN C 479 -47.054 -12.472 49.497 1.00 65.35	15944		LEU		478					
15946 C LEU C 478 -51.859 -13.806 47.249 1.00 62.27 15947 O LEU C 478 -52.221 -14.973 47.074 1.00 62.11 15948 N GLN C 479 -50.941 -13.467 48.150 1.00 62.31 15950 CB GLN C 479 -50.316 -14.468 49.719 1.00 62.41 15950 CB GLN C 479 -49.098 -13.887 49.719 1.00 62.37 15951 CG GLN C 479 -47.967 -13.458 48.804 1.00 63.97 15952 CD GLN C 479 -47.054 -12.472 49.497 1.00 65.35	15945	CD2	LEU	C	478	-54.119	-11.432	44.297	1.00	60.55
15948 N GLN C 479 -52.221 -14.973 47.074 1.00 62.11 15948 N GLN C 479 -50.941 -13.467 48.150 1.00 62.31 15950 CB GLN C 479 -60.316 -14.468 49.010 1.00 62.77 15951 CG GLN C 479 -49.098 -13.887 49.719 1.00 62.77 15952 CD GLN C 479 -47.967 -13.458 48.804 1.00 63.97 15952 CD GLN C 479 -47.054 -12.472 49.497 1.00 65.85										
15948 N GLN C 479 -50.941 -13.467 48.150 1.00 62.31 15949 CA GLN C 479 -50.316 -14.468 49.010 1.00 62.41 15950 CB GLN C 479 -49.098 -13.887 49.719 1.00 62.77 15951 CG GLN C 479 -47.967 -13.458 48.804 1.00 63.97 15952 CD GLN C 479 -47.967 24.494.97 1.00 65.85										
15949 CA GLN C 479 -50.316 -14.468 49.010 1.00 62.41 15950 CB GLN C 479 -49.098 -13.887 49.719 1.00 62.77 15951 CG GLN C 479 -47.967 -13.458 48.804 1.00 63.97 15952 CD GLN C 479 -47.054 -12.472 49.497 1.00 65.85										
15950 CB GLN C 479										
15951 CG GLN C 479 -47.967 -13.458 48.804 1.00 63.97 15952 CD GLN C 479 -47.054 -12.472 49.497 1.00 65.85										
15952 CD GLN C 479 -47.054 -12.472 49.497 1.00 65.85										

FIGURE 3 LA

A	В	С	1	E	F	G	Н	I	J
15954	NE2	GLN	C	479	-45.795	-12.403	49.061	1.00	66.37
15955	C	GLN		479		-14.933	50.045	1.00	
15956	0	GLN		479	-51.306	-16.084	50.469		62.09
15957	N	ASN		480	-52.184	-14.015	50.459	1.00	61.68
15958	CA	ASN		480	-53.247	-14.328	51.397		61.21
15959	CB	ASN		480		-13.047	51.833	1.00	61.41
15960	CG	ASN		480		-12.709	53.288	1.00	62.10
15961		ASN		480		-11.536	53.674	1.00	62.88
15962	ND2	ASN	č	480	-53.501	-13.736	54.111	1.00	61.27
15963	С	ASN		480	-54.283	-15.271	50.798	1.00	60.56
15964	Ō	ASN		480	-54.806	-16.145	51.482	1.00	60.74
15965	N	VAL		481	-54.569	-15.111	49.513	1.00	59.62
15966	CA	VAL		481	-55.651	-15.887	48.912	1.00	58.54
15967	CB	VAL		481	-56.485	-15.018	47.945	1.00	58.59
15968	CG1	VAL		481	-55.593	-14.052	47.191	1.00	58.52
15969	CG2	VAL	C	481	-57.285	-15.887	46.999	1.00	58.15
15970	C	VAL		481		-17.213	48.234	1.00	57.70
15971	ō	VAL		481	-54.312	-17.315	47.495	1.00	57.10
15972	N	GLN	С	482	-56.111	-18.221	48.507	1.00	56.94
15973	CA	GLN	С	482	-56.004	-19.522	47.866	1.00	56.22
15974	CB	GLN	С	482	-56.893	-20.542	48.580	1.00	56.27
15975	CG	GLN	С	482	-56.552	-20.768	50.044	1.00	56.54
15976	CD	GLN		482	-57.309	-21.947	50.642	1.00	57.87
15977	OE1	GLN		482	-56.993	-23.102	50.357	1.00	58.06
15978	NE2	GLN	С	482	-58.308	-21.657	51.472	1.00	58.38
15979	C	GLN	С	482	-56.438	-19.381	46.408	1.00	55.57
15980	0	GLN	С	482	-57.605	-19.551	46.068	1.00	55.85
15981	N	MET	С	483	-55.487	-19.071	45.544	1.00	54.50
15982	CA	MET	С	483	-55.784	-18.836	44.150	1.00	53.23
15983	CB	MET	С	483	-54.779	-17.845	43.570	1.00	53.29
15984	CG	MET	С	483	-54.907	-16.464	44.187	1.00	53.22
15985	SD	MET	С	483	-56.530	-15.752	43.876	1.00	52.60
15986	CE	MET	С	483	-56.296	-15.080	42.219	1.00	53.38
15987	C	MET	С	483	-55.823	-20.101	43.310	1.00	52.57
15988	0		С	483	-55.125	-21.074	43.579	1.00	52.37
15989	И	PRO	С	484	-56.669	-20.074	42.291	1.00	51.80
15990	CA	PRO	С	484	-56.800	-21.187	41.358	1.00	51.37
15991	CB	PRO		484	-57.964	-20.735	40.471	1.00	51.37
15992	CG	PRO		484	-57.908	-19.250	40.546	1.00	50.94
15993	CD	PRO		484	-57.598	-18.972	41.973	1.00	51.64
15994	С	PRO		484	-55.533	-21.275	40.525	1.00	51.05
15995	0	PRO		484	-54.730	-20.353	40.549	1.00	50.71
15996	N	SER		485	-55.346	-22.367	39.801	1.00	51.12
15997	CA	SER		485	-54.179	-22.481	38.945	1.00	51.50
15998	CB	SER		485	-53.292	-23.659	39.358	1.00	51.29
15999	OG	SER		485		-24.877	38.803	1.00	51.36
16000	C	SER		485		-22.643	37.525	1.00	51.92
16001	0	SER		485		-22.675	37.284	1.00	51.86
16002	N	LYS	С	486	-53.748	-22.766	36.579	1.00	52.76
16003	CA	LYS		486		-22.853	35.185		53.23
16004	CB	LYS	С	486	-53.849	-21.528	34.483	1.00	52.93

FIGURE 3 LB

A	В	С	D	E	F	G	H	I	J
16005	CG	LYS	c	486	-55 017	-20.990	33.676	1.00	53.08
16006	CD	LYS		486		-20.868	32.183	1.00	50.23
16007	CE	LYS		486	-55.425	-19.603	31.673	1.00	47.65
16008	NZ	LYS		486	-55.334	-19.383	30.214	1.00	47.00
16009	C	LYS		486	-53.442	-23.972	34.457	1.00	53.74
16010	ō	LYS		486		-24.070	34.477	1.00	53.99
16011	N	LYS		487	-54.222	-24.826	33.819	1.00	54.39
16012	CA	LYS		487	-53.658	-25.861	32.984	1.00	55.08
16013	CB	LYS		487		-27.215	33.276	1.00	55.38
16014	CG	LYS		487	-54.163	-28.228	32.130	1.00	56.35
16015	CD	LYS		487	-53.045	-29.243	32.348	1.00	57.73
16016	CE	LYS	С	487	-53.613	-30.628	32.640	1.00	58.57
16017	NZ	LYS	С	487	-52.613	-31.699	32.343	1.00	58.44
16018	С	LYS	С	487	-53.914		31.541	1.00	55.57
16019	0	LYS		487	-55.055	-25.266	31.133	1.00	55.38
16020	N	LEU	С	488	-52.842	-25.308	30.782	1.00	56.17
16021	CA	LEU	С	488	-52.954	-25.045	29.362	1.00	56.86
16022	CB	LEU	С	488	-52.169	-23.798	28.971	1.00	56.87
16023	CG	LEU	С	488	-52.661	-23.069	27.720	1.00	56.32
16024	CD1	LEU	С	488	-51.490	-22.755	26.814	1.00	54.85
16025	CD2	LEU	С	488	-53.696	-23.886	26.991	1.00	55.36
16026	С	LEU	С	488	-52.338	-26.249	28.697	1.00	57.42
16027	0	LEU	С	488	-51.132	-26.465	28.772	1.00	57.62
16028	N	ASP	С	489	-53.165	-27.057	28.061	1.00	58.31
16029	CA	ASP	С	489	-52.663	-28.255	27.426	1.00	59.02
16030	CB	ASP	С	489	-52.723	-29.427	28.401	1.00	59.14
16031	CG	ASP	С	489	-51.569	-30.384	28.223	1.00	59.63
16032	OD1	ASP	С	489	-50.608	-30.292	29.014	1.00	59.73
16033	OD2	ASP	С	489	-51.529	-31.243	27.314	1.00	60.12
16034	С	ASP	С	489	-53.513	-28.543	26.215	1.00	59.39
16035	0	ASP	С	489	-54.373	-27.752	25.854	1.00	59.48
16036	N	PHE		490	-53.278	-29.681	25.585	1.00	60.01
16037	CA	PHE		490	-54.052	-30.028	24.413	1.00	60.71
16038	CB	PHE	С	490	-53.238	-29.782	23.139	1.00	60.85
16039	CG	PHE	С	490	-52.154	-30.798	22.909	1.00	61.45
16040	CD1	PHE	С	490	-52.440		22.294	1.00	61.76
16041	CE1		С	490	-51.442	-32.953	22.082	1.00	61.88
16042	CZ	PHE		490	-50.147		22.488	1.00	61.87
16043	CE2	PHE	С	490	-49.850		23.106	1.00	62.01
16044	CD2	PHE		490	-50.851	-30.546	23.313	1.00	61.78
16045	С	PHE	С	490	-54.474	-31.477	24.466	1.00	60.98
16046	0		С	490	-53.859	-32.294	25.157	1.00	61.02
16047	N	ILE		491	-55.559	-31.769	23.760	1.00	61.36
16048	CA	ILE	С	491		-33.128	23.546	1.00	61.73
16049	CB	ILE	С	491	-57.454	-33.356	24.026	1.00	61.89
16050	CG1	ILE	С	491	-58.450	-32.595	23.145	1.00	61.68
16051	CD1	ILE		491	-59.860		23.241	1.00	61.32
16052	CG2	ILE		491	-57.611	-32.989	25.490	1.00	61.93
16053	С	ILE		491	-55.945	-33.280	22.042	1.00	62.11
16054	0	ILE		491	-55.856	-32.290	21.311	1.00	61.87
16055	N	ILE	С	492	-55.980	-34.514	21.569	1.00	62.65

FIGURE 3 LC

A	В	C	D	E	F	G	H	I	J
16056	CA	ILE	c	492	-55 924	-34.732	20.141	1 00	63.29
16057	CB	ILE		492		-35.289	19.712		63.35
16058	CG1	ILE		492		-35.859	18.290		63.18
16059	CD1	ILE	c	492	-55.163		18.191		63.21
16060	CG2	ILE		492	-54.045		20.688		64.14
	C	ILE		492	-57.069		19.690		63.51
16061				492	-57.331		20.282		
16062	0	ILE	С		-57.776			1.00	63.49
16063 16064	N CA	LEU	c	493 493	-58.839		18.665 18.044	1.00	63.86
									64.34
16065	CB	LEU		493	-60.210		18.293	1.00	64.32
16066	CG	LEU		493	-60.434		19.613	1.00	64.33
16067	CD1	LEU		493	-59.652		19.614	1.00	64.78
16068	CD2	LEU		493	-61.912		19.822		64.93
16069	C	LEU		493	-58.536		16.556	1.00	64.54
16070	0	LEU		493	-58.189		15.978		64.41
16071	N	ASN		494	-58.635		15.948		64.97
16072	CA	ASN		494	-58.389		14.517	1.00	65.48
16073	CB	ASN		494	-59.589		13.696	1.00	65.63
16074	CG	ASN		494	-60.760		13.723	1.00	66.99
16075		ASN		494	-61.556		12.775	1.00	68.83
16076	ND2	ASN		494	-60.870		14.806	1.00	67.19
16077	С	ASN		494	-57.116		14.036	1.00	
16078	0	ASN		494	-57.177		13.302		65.52
16079	N	GLU		495	-55.967		14.470		65.25
16080	CA	GLU		495	-54.674		14.020		64.93
16081	CB	GLU		495	-54.560		12.491	1.00	65.49
16082	CG	GLU		495	-53.807		12.017	1.00	67.35
16083	CD	GLU		495	-54.299		10.680	1.00	69.98
16084	OE1	GLU		495	-55.497		10.576	1.00	70.27
16085	OE2	GLU		495	-53.481		9.733	1.00	71.37
16086	С	GLU		495	-54.387		14.438	1.00	64.05
16087	0	GLU		495	-53.246		14.370	1.00	63.96
16088	N	THR		496	-55.413		14.870	1.00	62.94
16089	CA	THR		496	-55.225		15.194	1.00	
16090	CB	THR		496	-56.283		14.478		61.59
16091	OG1	THR		496	-57.185		13.778	1.00	61.93
16092	CG2	THR		496	-55.650		13.367	1.00	61.66
16093	С	THR		496	-55.244		16.676	1.00	60.16
16094	0	THR		496	-56.003		17.428	1.00	60.01
16095	N	LYS		497	-54.392		17.105	1.00	58.57
16096	CA	LYS		497	-54.466		18.494	1.00	57.26
16097	CB	LYS		497	-53.105		19.178	1.00	57.60
16098	CG	LYS		497	-52.059		18.445	1.00	59.58
16099	CD	LYS		497	-50.898		18.064	1.00	
16100	CE	LYS		497	-49.588		18.490		63.93
16101	NZ	LYS		497	-49.605		18.260	1.00	64.60
16102	C	LYS		497	-55.251		18.636	1.00	55.50
16103	0		С	497	-55.053		17.910	1.00	55.06
16104	N	PHE	С	498	-56.177		19.573	1.00	53.90
16105	CA	PHE	С	498	-56.971		19.888	1.00	52.01
16106	CB	PHE	С	498	-58.442	-29.255	19.716	1.00	51.89

FIGURE 3 LD

A	В	C	D	E		F	G	H	I	J
16107	CG	PHE	С	536	-	-58.820	-29.570	18.303	1.00	51.20
16108	CD1	PHE	С	536	-	-59.215	-28.558	17.436	1.00	50.32
16109	CE1	PHE	С	536	-	-59.564	-28.837	16.145	1.00	49.58
16110	CZ	PHE	С	536	-	-59.519	-30.143	15.689	1.00	50.88
16111	CE2	PHE	С	536	-	-59.118	-31.164	16.545	1.00	50.61
16112	CD2	PHE	С	536	-	-58.773	-30.872	17.837	1.00	50.35
16113	С	PHE	С	536	-	-56.645	-28.589	21.318	1.00	51.06
16114	0	PHE	С	536	-	-56.639	-29.448	22.199	1.00	50.81
16115	N	TRP	С	537	-	-56.354	-27.323	21.544	1.00	49.84
16116	CA	TRP	С	537	-	-55.939	-26.886	22.856	1.00	48.82
16117	CB	TRP	С	537	-	-55.087	-25.628	22.733	1.00	48.86
16118	CG	TRP	С	537	-	-53.770	-25.927	22.082	1.00	49.76
16119	CD1	TRP	С	537	-	-53.523	-26.076	20.746	1.00	49.81
16120	NE1	TRP	С	537	-	-52.193	-26.358	20.541		49.80
16121	CE2	TRP		537		-51.557		21.753		49.67
16122	CD2	TRP	C	537		-52.521	-26.145	22.745	1.00	49.62
16123	CE3	TRP		537		-52.115		24.082		50.04
16124	CZ3	TRP		537			-26.379	24.378	1.00	50.07
16125	CH2	TRP		537			-26.638	23.371	1.00	49.52
16126	CZ2	TRP		537		-50.220	-26.658	22.055		49.89
16127	C	TRP		537			-26.684	23.825		48.03
16128	ō	TRP		537		-58.258		23.440		47.76
16129	N	TYR		538		-56.743		25.101		46.94
16130	CA	TYR		538			-26.376	26.120		46.15
16131	CB	TYR		538			-27.665	26.459		46.44
16132	CG	TYR		538		-57.762		27.355		47.01
16133	CD1	TYR		538		-57.761	-28.486	28.735		48.06
16134	CE1	TYR		538		-57.120		29.560		49.18
16135	CZ	TYR		538		-56.482	-30.483	29.012	1.00	50.19
16136	OH	TYR		538		-55.851	-31.385	29.846	1.00	
16137	CE2	TYR		538		-56.482	-30.677	27.647		48.35
16138	CD2	TYR		538		-57.123	-29.760	26.828		47.62
16139	C	TYR		538		-57.084	-25.789	27.340		45.05
16140	ō	TYR		538		-55.877	-25.884	27.518		45.34
16141	N	GLN		539		-57.883	-25.145	28.166		43.83
16142	CA	GLN		539		-57.379	-24.617	29.407		42.63
16143	CB	GLN		539			-23.104	29.341		42.52
16144	CG	GLN		539		-58.457	-22.266	29.213		41.27
16145	CD	GLN		539		-58.184	-20.777	29.426	1.00	39.84
16146	OE1	GLN		539		-57.168	-20.256	28.953		40.31
16147	NE2	GLN		539		-59.071	-20.101	30.140	1.00	37.77
16148	C	GLN		539		-58.362	-24.992	30.491		42.38
16149	ō	GLN		539		-59.542	-25.217	30.224		42.21
16150	N	MET		540		-57.862	-25.117	31.708		41.97
16151	CA	MET		540		-58.732	-25.387	32.824		41.86
16152	CB	MET		540		-58.582	-26.827	33.306		41.95
16153	CG	MET		540		-59.272	-27.858	32.442		41.45
16154	SD			540		-59.183		33.189		42.36
16155	CE	MET		540		-60.321	-30.356	32.234		39.76
16156	C	MET		540		-58.357		33.922		41.70
16157	Ö	MET					-24.155	34.118		41.42
	-		_	2 1 0				21.110	1.00	

FIGURE 3 LE

A	В	С	D	E	F	G	H	I	J
16158	N	TLE	c	503	-59 354	-23.856	34.588	1.00	41.92
16159	CA	ILE		503		-23.054	35.763		42.01
16160	CB			503	-59.994	-21.826	35.854		42.23
16161	CG1			503		-20.963	34.598		41.89
16162	CD1	ILE		503		-20.286	34.511		42.23
16163	CG2	ILE		503		-20.979	37.071		41.21
16164	C	ILE		503		-24.045	36.887		42.28
16165	ŏ	ILE		503		-24.470	37.135		41.93
16166	N	LEU		504		-24.470	37.518		43.06
16167	CA	LEU				-25.502	38.543	1.00	
16168	CB	LEU		504		-26.414	38.449		43.91
16169	CG			504		-27.263	37.176	1.00	44.82
16170	CD1			504		-27.642	36.816	1.00	46.01
16171	CD2	LEU		504		-28.502	37.314		45.64
16172	C	LEU		504		-24.904	39.925	1.00	
16173	0	LEU		504		-23.959	40.249		43.43
16174	N	PRO		505		-25.425	40.731	1.00	
16175	CA	PRO		505		-24.952	42.112		44.26
16176	CB	PRO		505		-25.860	42.112		44.09
16177	CG	PRO		505	-61.320	-26.330	41.467	1.00	
16178	CD			505		-26.482	40.392		43.18
16179	C			505		-25.154	40.332	1.00	44.94
16180	0	PRO		505	-57.382	-26.049	42.544	1.00	
16181	N	PRO		506		-24.322	43.876		45.64
16182		PRO				-24.322	44.689	1.00	
16183	CA CB	PRO		506 506		-24.454	45.832		46.41
16184	CG	PRO		506		-23.461	45.787	1.00	
16185	CD	PRO		506		-23.247	44.329	1.00	
16186	C	PRO		506		-25.876	45.234	1.00	
16187	Ö	PRO				-26.522	45.340	1.00	47.23
16188	N	HIS		506 507		-26.369	45.540		48.57
16189	CA	HIS				-20.309	46.120	1.00	49.66
16190	CB	HIS			-55.917		47.509	1.00	49.52
16191	CG	HIS				-26.672	48.420	1.00	50.26
16191		HIS		507	-54.085		48.579	1.00	51.83
16192	CE1	HIS		507		-25.392	49.433	1.00	52.49
16193	NE2	HIS		507		-25.009	49.433	1.00	52.49
16194	CD2	HIS		507		-25.793	49.827	1.00	51.46
16196	C C	HIS				-28.763	45.243	1.00	50.46
16197	Ö	HIS		507		-29.783	45.732	1.00	50.36
16198	N	PHE		508		-28.505	43.732	1.00	51.48
16198	CA		C	508	-56.486	-28.505		1.00	52.60
						-29.414	42.972		
16200	CB			508			41.562		52.56
16201	CG CD1	PHE		508		-29.978 -30.365	40.512		53.20
16202				508			40.500	1.00	53.20
16203	CE1	PHE		508		-31.232	39.547	1.00	52.98
16204	CZ	PHE		508	-57.498		38.584	1.00	54.15
16205	CE2	PHE		508		-31.352	38.577		54.47
16206	CD2			508		-30.478	39.543	1.00	
16207	С	PHE		508		-30.855	43.280		53.25
16208	0	PHE	C.	508	-54.935	-31.218	43.230	1.00	53.57

FIGURE 3 LF

A	В	С	D	E	F	G	H	I	J
16209	N	ASP	c	509	-57.094	-31.672	43.591	1.00	54.01
16210	CA	ASP		509		-33.065	43.923	1.00	54.47
16211	CB	ASP		509	-57.562		45.244	1.00	54.61
16212	CG	ASP		509	-57.124		45.830	1.00	55.69
16213		ASP		509	-56.496		45.096	1.00	55.73
16214	OD2	ASP		509	-57.358		47.019	1.00	56.78
16215	c	ASP		509		-33.946	42.834	1.00	54.50
16216	ŏ	ASP		509	-58.631		42.870	1.00	54.41
16217	N	LYS		510		-34.377	41.878	1.00	54.71
16218	CA	LYS		510	-57.194		40.787	1.00	55.19
16219	CB	LYS			-56.290		39.550	1.00	55.52
16220	CG	LYS				-36.277	39.491	1.00	57.13
16221	CD	LYS			-54.371	-36.077	38.265	1.00	59.98
16222	CE	LYS		510	-53.381		38.092	1.00	61.73
16223	NZ	LYS		510	-52.692		39.371	1.00	62.38
16224	С	LYS				-36.551	41.217	1.00	55.14
16225	0	LYS	С	510	-58.029	-37.382	40.385	1.00	55.40
16226	N	SER	С	511	-57.662	-36.790	42.524	1.00	54.73
16227	CA	SER	С	511	-58.232	-38.018	43.054	1.00	54.59
16228	CB			511	-57.539		44.358	1.00	54.85
16229	OG	SER	С	511	-57.882	-37.597	45.448	1.00	54.26
16230	С			511	-59.714	-37.768	43.299	1.00	54.35
16231	0	SER		511		-38.700	43.493	1.00	55.12
16232	N	LYS	С	512	-60.101	-36.499	43.258	1.00	53.65
16233	CA	LYS	С	512	-61.468	-36.078	43.552	1.00	52.82
16234	CB	LYS	С	512	-61.403	-34.763	44.331	1.00	53.04
16235	CG	LYS	С	512	-62.099	-34.771	45.667	1.00	54.26
16236	CD	LYS	С	512	-62.383	-33.345	46.125	1.00	56.92
16237	CE	LYS	С	512	-63.344	-32.629	45.158	1.00	56.98
16238	NZ	LYS	С	512	-63.916	-31.389	45.767	1.00	57.79
16239	C	LYS	С	512	-62.325	-35.882	42.290	1.00	51.91
16240	0	LYS	С	512	-61.808	-35.821	41.177	1.00	51.79
16241	N	LYS	С	513	-63.640	-35.797	42.457	1.00	50.85
16242	CA	LYS	С	513	-64.516	-35.506	41.321	1.00	50.07
16243	CB	LYS		513		-36.534	41.193	1.00	50.55
16244	CG	LYS	С	513	-65.517		39.973	1.00	51.47
16245	CD	LYS	С	513	-64.311		40.038	1.00	52.82
16246	CE	LYS		513	-64.352		38.912	1.00	55.30
16247	NZ	LYS		513	-63.323		39.099	1.00	56.62
16248	С	LYS		513	-65.106		41.440	1.00	49.11
16249	0	LYS		513	-65.999		42.265		48.91
16250	N	TYR			-64.592		40.616	1.00	47.40
16251	CA	TYR		514	-65.022		40.625	1.00	45.99
16252	CB	TYR			-63.823		40.349	1.00	46.37
16253	CG	TYR		514	-62.751		41.425	1.00	46.45
16254	CD1	TYR		514		-29.772	42.299		45.90
16255	CE1	TYR			-61.682		43.274	1.00	45.89
16256	CZ	TYR		514		-30.760	43.391	1.00	46.54
16257	OH	TYR		514		-30.702	44.370	1.00	46.03
16258	CE2	TYR		514		-31.837	42.527	1.00	46.37
16259	CD2	TYR	С	514	-61.821	-31.876	41.545	1.00	46.34

FIGURE 3 LG

A	В	С	D	E		F	G	Н		I	J
16260	С	TYR	С	514	-66.	110	-31.490	39.5	86	1.00	44.66
16261	0	TYR	С	514	-66.	156	-32.084	38.5	06	1.00	44.11
16262	N	PRO	С	515	-66.	994	-30.558	39.9	924	1.00	43.58
16263	CA	PRO	С	515	-67.	989	-30.075	38.9	966	1.00	42.42
16264	CB	PRO	С	515	-68.	864	-29.137	39.7	196	1.00	42.57
16265	CG	PRO	С	515	-68.	510	-29.388	41.2	201	1.00	43.62
16266	CD	PRO	С	515	-67.	116	-29.917	41.2	242	1.00	43.47
16267	С	PRO	С	515	-67.	227	-29.269	37.9	926	1.00	41.29
16268	0	PRO	С	515	-66.	223	-28.628	38.2	255	1.00	41.28
16269	N	LEU	С	516	-67.	688	-29.305	36.6	590	1.00	39.64
16270	CA	LEU	С	516	-66.	989	-28.641	35.6	511	1.00	38.46
16271	CB	LEU	С	516	-66.	460	-29.692	34.6	535	1.00	38.67
16272	CG	LEU	С	516	-65.	667	-29.255	33.4	101	1.00	38.05
16273	CD1	LEU	С	516	-64.	209	-29.124	33.7	739	1.00	36.52
16274	CD2	LEU	С	516	-65.	827	-30.283	32.3	808	1.00	37.46
16275	С	LEU	С	516	-67.	940	-27.682	34.8	889	1.00	37.84
16276	0	LEU	С	516	-69.	102	-28.014	34.6	535	1.00	37.36
16277	N	LEU	С	517	-67.	443	-26.486	34.5	93	1.00	36.52
16278	CA	LEU	С	517	-68.	210	-25.490	33.8	377	1.00	35.89
16279	CB	LEU	С	517	-68.	404	-24.238	34.7	127	1.00	35.94
16280	CG	LEU	С	517	-68.	978	-23.022	34.0	005	1.00	35.16
16281	CD1	LEU	С	517	-68.	996	-21.860	34.9	950	1.00	33.43
16282	CD2	LEU	С	517	-70.	380	-23.317	33.4	175	1.00	34.88
16283	C	LEU	С	517	-67.	465	-25.156	32.6	806	1.00	35.87
16284	0	LEU	С	517	-66.	327	-24.682	32.6	547	1.00	35.50
16285	N	LEU	С	518	-68.	106	-25.432	31.4	181	1.00	35.95
16286	CA	LEU	С	518	-67.	500	-25.207	30.1	88	1.00	36.30
16287	CB	LEU	С	518	-68.	041	-26.207	29.1	181	1.00	36.73
16288	CG	LEU	С	518	-67.	282	-26.325	27.8	369	1.00	37.04
16289	CD1	LEU	С	518	-65.	811	-26.590	28.1	134	1.00	35.63
16290	CD2	LEU	С	518	-67.	905	-27.421	27.0	14	1.00	37.45
16291	C	LEU	С	518	-67.	791	-23.787	29.7	735	1.00	36.65
16292	0	LEU	С	518			-23.447	29.3		1.00	36.65
16293	N	ASP	С	519	-66.	749	-22.967	29.7	771	1.00	36.55
16294	CA	ASP	С	519	-66.	805	-21.572	29.4	102	1.00	36.82
16295	CB	ASP		519			-20.816	30.2	12	1.00	36.79
16296	CG	ASP	С	519	-65.	709	-19.360	29.8	394	1.00	38.12
16297	OD1	ASP	С	519	-65.	070	-18.613	30.6	68	1.00	39.34
16298	OD2	ASP	С	519	-66.	275	-18.868	28.8	387	1.00	40.62
16299	С	ASP	С	519	-66.	522	-21.496	27.9	917	1.00	36.75
16300	0	ASP	С	519	-65.	403	-21.757	27.4	186	1.00	37.25
16301	N	VAL	С	520	-67.	529	-21.141	27.1	125	1.00	36.58
16302	CA	VAL	С	520			-21.164	25.6		1.00	36.22
16303	CB	VAL		520			-22.213	25.0		1.00	36.82
16304	CG1	VAL	С	520	-69.	765	-21.780	25.1	170	1.00	36.54
16305	CG2	VAL		520			-22.386	23.5		1.00	35.85
16306	C	VAL		520			-19.853	24.9		1.00	35.93
16307	0	VAL		520			-19.002	25.3		1.00	35.87
16308	N	TYR		521			-19.711	23.8		1.00	35.45
16309	CA	TYR		521			-18.693	22.8		1.00	35.17
16310	CB	TYR	С	521	-66.	073	-17.707	22.6	547	1.00	35.08

FIGURE 3 LH

A	В	С	D	E	F	G	H	I	J
16311	CG	TYR	c	521	-66.482	-16.546	21.785	1.00	36.28
16312	CD1	TYR		521		-16.284	20.581	1.00	37.58
16313	CE1	TYR				-15.203	19.789	1.00	37.96
16314	CZ	TYR			-67.242	-14.385	20.193	1.00	37.65
16315	OH			521		-13.317	19.397	1.00	39.32
16316	CE2	TYR		521		-14.631	21.385	1.00	36.97
16317	CD2	TYR		521		-15.709	22.168	1.00	36.92
16318	C	TYR		521	-67.416	-19.499	21.576	1.00	34.87
16319						-19.667	21.123	1.00	34.35
16320	O N	TYR		521	-66.302	-20.002	21.123	1.00	34.35
16321	CA	ALA			-66.267	-20.860	19.849	1.00	34.66
16322	CB	ALA			-67.105	-22.122	20.053	1.00	34.03
16323	C	ALA			-66.639	-20.174	18.538	1.00	35.15
16324	0	ALA			-67.042	-20.828	17.590	1.00	35.80
16325	N	GLY				-18.863	18.476	1.00	35.90
16326	CA	GLY				-18.161	17.237	1.00	37.37
16327	С	GLY				-18.337	16.264	1.00	38.19
16328	0	GLY		523		-18.759	16.643	1.00	38.72
16329	N	PRO		524		-18.030	14.999	1.00	38.51
16330	CA	PRO		524		-18.193	13.978	1.00	38.34
16331	CB	PRO		524		-17.648	12.718	1.00	38.73
16332	CG			524		-17.914	12.957	1.00	37.95
16333	CD	PRO			-67.132	-17.573	14.425	1.00	38.47
16334	С	PRO		524		-17.440	14.314	1.00	38.47
16335	0	PRO		524		-16.247	14.616	1.00	37.52
16336	N	CYS	С	525	-62.436	-18.171	14.255	1.00	38.84
16337	CA	CYS				-17.626	14.562	1.00	38.88
16338	CB	CYS		525		-16.485	13.612	1.00	38.85
16339	SG	CYS		525		-15.880	13.830	1.00	40.62
16340	С	CYS	С	525	-61.048	-17.158	16.004	1.00	38.44
16341	0	CYS	С	525	-60.417	-16.146	16.313	1.00	38.85
16342	N	SER	С	526	-61.704	-17.884	16.895	1.00	38.38
16343	CA	SER	С	526	-61.654	-17.526	18.311	1.00	38.62
16344	CB	SER	С	526	-62.996	-17.809	18.994	1.00	38.49
16345	OG	SER	С	526	-63.435	-19.140	18.774	1.00	37.11
16346	С	SER	С	526	-60.542	-18.264	19.058	1.00	39.03
16347	0	SER	С	526	-60.001	-19.258	18.584	1.00	39.34
16348	N	GLN	С	527	-60.196	-17.755	20.230	1.00	39.54
16349	CA	GLN	С	527	-59.257	-18.434	21.100	1.00	39.53
16350	CB	GLN	С	527	-57.821	-17.977	20.862	1.00	39.36
16351	CG	GLN	С	527	-56.804	-18.894	21.539	1.00	38.55
16352	CD	GLN	С	527	-55.382	-18.582	21.129	1.00	36.93
16353	OE1	GLN	С	527	-54.818	-17.568	21.549	1.00	36.25
16354	NE2	GLN	С	527	-54.802	-19.443	20.301	1.00	35.31
16355	С	GLN	С	527	-59.632	-18.203	22.547	1.00	40.01
16356	0	GLN		527	-59.517	-17.087	23.057	1.00	39.96
16357	N	LYS		528	-60.052	-19.279	23.202	1.00	40.79
16358	CA		Ċ	528		-19.258	24.607	1.00	41.63
16359	CB	LYS			-61.821	-19.893	24.777	1.00	41.25
16360	CG	LYS		528	-62.964		24.242		42.03
16361	CD	LYS	С	528	-62.998	-17.679	24.871		41.88

FIGURE 3 LI

A	В	C	D	E	F	G	H	I	J
1.6360	O.D.	T.1/0		500	62 410	17 700	06.004	1 00	42 10
16362	CE			528		-17.733	26.334	1.00	43.10
16363	NZ	LYS		528		-18.591	26.552	1.00	
16364	C			528		-20.019	25.490	1.00	42.21
16365	0			528		-20.041	26.707		42.08
16366	N			529		-20.679	24.878	1.00	
16367	CA			529		-21.380	25.637	1.00	44.01
16368	CB	ALA				-22.810	25.193	1.00	43.72
16369	С	ALA		529		-20.621	25.426	1.00	44.60
16370	0			529		-20.825	24.434	1.00	44.85
16371	N			530		-19.742	26.381	1.00	45.15
16372	CA			530	-54.731	-18.776	26.297	1.00	45.16
16373	CB			530		-17.374	26.611	1.00	45.38
16374	CG	ASP		530		-16.835	25.547	1.00	47.53
16375		ASP		530		-17.511	24.514	1.00	51.33
16376		ASP				-15.725	25.653	1.00	
16377	С	ASP		530		-18.996	27.336		44.93
16378	0			530		-19.821	28.244	1.00	
16379	N	THR		531		-18.171	27.211	1.00	44.51
16380	CA	THR		531		-18.105	28.162	1.00	44.63
16381	CB			531		-17.958	27.403	1.00	44.73
16382	OG1			531		-19.236	27.328		44.91
16383	CG2			531	-49.257		28.184	1.00	44.96
16384	С			531		-16.877	29.014	1.00	44.29
16385	0			531		-16.521	29.875	1.00	
16386	N			532		-16.227	28.775	1.00	43.80
16387	CA	VAL		532		-15.010	29.511		43.27
16388	CB			532		-14.236	28.829	1.00	43.34
16389	CG1	VAL		532		-12.897	29.531	1.00	42.91
16390	CG2	VAL		532		-14.035	27.338	1.00	
16391	С	VAL		532	-53.732	-15.267	30.955	1.00	42.83
16392	0	VAL		532		-16.261	31.248		42.85
16393	N			533		-14.361	31.843	1.00	41.98
16394	CA			533	-53.702	-14.411	33.249	1.00	41.36
16395	CB			533		-13.918	34.138	1.00	
16396	CG			533		-13.784	35.574	1.00	
16397	CD1					-14.879	36.418	1.00	41.07
16398	CE1			533		-14.766	37.732	1.00	40.00
16399	CZ	PHE	С	533		-13.549	38.210	1.00	39.72
16400	CE2	PHE	С	533	-53.838	-12.457	37.372	1.00	38.97
16401	CD2	PHE	С	533	-53.437	-12.576	36.067	1.00	40.26
16402	C	PHE	С	533	-54.924	-13.537	33.524	1.00	41.00
16403	0	PHE	С	533	-54.880	-12.332	33.323	1.00	40.50
16404	N	ARG	С	534	-55.993	-14.128	34.049	1.00	40.90
16405	CA			534	-57.228		34.249	1.00	40.66
16406	CB	ARG	С	534		-13.855	33.279	1.00	40.29
16407	CG	ARG	С	534		-13.583	31.820	1.00	40.64
16408	CD	ARG	С	534	-58.970	-14.213	30.847	1.00	41.30
16409	NE	ARG	С	534	-58.329	-14.682	29.619	1.00	41.87
16410	CZ	ARG	С	534	-58.104	-13.910	28.572	1.00	42.89
16411	NH1	ARG	С	534	-58.468	-12.627	28.616	1.00	46.10
16412	NH2	ARG	С	534	-57.520	-14.401	27.485	1.00	39.05

FIGURE 3 LJ

A	В	С	D	E	F	G	H	I	J
16413	С	ARG	c	534	-57.777	-13.400	35.655	1.00	40.25
16414	0	ARG		534		-14.379	36.373	1.00	
16415	N			535		-12.302	36.043	1.00	39.84
16416	CA			535		-12.207	37.319		39.11
16417	CB			535		-11.054	38.151	1.00	39.17
16418	CG	LEU		535		-11.034	38.668	1.00	39.51
16419	CD1	LEU		535	-56.585	-10.129	39.483	1.00	39.68
16420	CD2	LEU		535	-57.045	-12.577	39.505	1.00	38.92
16421	C					-11.998	36.957	1.00	38.90
16421	0	LEU		535		-11.998	36.702	1.00	38.84
16423	N	ASN		536		-13.099	36.897	1.00	37.75
16424	CA	ASN				-13.028	36.438	1.00	36.92
16425	CB	ASN		536		-13.400	34.975	1.00	36.91
16426	CG	ASN				-14.767	34.752	1.00	36.93
16427		ASN		536		-15.481	35.716	1.00	35.89
16428		ASN		536		-15.161	33.490		37.09
16429	С	ASN				-13.931	37.234	1.00	35.92
16430	0	ASN		536		-14.411	38.309	1.00	36.04
16431	N	TRP		537		-14.147	36.697	1.00	34.35
16432	CA	TRP		537		-14.943	37.363	1.00	33.16
16433	CB	TRP		537		-14.928	36.556	1.00	32.12
16434	CG			537		-15.634	37.166	1.00	
16435	CD1	TRP		537		-15.481	38.426		25.01
16436	NE1	TRP		537		-16.286	38.592		23.18
16437	CE2	TRP		537		-16.965	37.427		24.61
16438	CD2	TRP		537		-16.582	36.507		25.62
16439	CE3	TRP		537			35.221	1.00	
16440	CZ3	TRP		537		-18.058	34.901		27.22
16441	CH2	TRP		537		-18.408	35.838		28.01
16442	CZ2	TRP		537	-71.231	-17.871	37.101	1.00	
16443	C	TRP		537		-16.348	37.581	1.00	33.67
16444	0			537	-65.401		38.672		34.23
16445	N	ALA				-16.913	36.549		33.80
16446	CA	ALA	С	538		-18.229	36.633	1.00	
16447	CB	ALA	С	538	-63.438	-18.591	35.314	1.00	34.48
16448	С	ALA	С	538		-18.346	37.768	1.00	34.94
16449	0	ALA	С	538		-19.403	38.384	1.00	35.21
16450	N	THR	С	539		-17.266	38.045	1.00	35.22
16451	CA	THR	С	539	-61.351	-17.253	39.135	1.00	35.66
16452	CB	THR	С	539	-60.624	-15.886	39.212	1.00	35.58
16453	OG1	THR	С	539	-60.016	-15.575	37.951	1.00	35.55
16454	CG2	THR	С	539	-59.446	-15.946	40.150	1.00	35.53
16455	C	THR	С	539	-62.098	-17.496	40.434	1.00	36.37
16456	0	THR	С	539	-61.663	-18.275	41.287	1.00	36.93
16457	N	TYR	С	540	-63.236	-16.823	40.582	1.00	36.55
16458	CA	TYR	С	540	-64.051	-16.956	41.780	1.00	36.24
16459	CB	TYR	С	540	-65.113	-15.866	41.820	1.00	35.97
16460	CG	TYR	С	540	-66.446	-16.363	42.341	1.00	35.62
16461	CD1	TYR	С	540	-67.475	-16.697	41.470	1.00	34.83
16462	CE1	TYR	С	540	-68.690	-17.151	41.949	1.00	34.16
16463	CZ	TYR	С	540		-17.277	43.314		34.62

FIGURE 3 LK

A	В	C	D	Е	F		G	H	I	J
16464	OH	TYR	C	540	-70.0	76	-17.736	43.812	1.00	34.31
16465	CE2	TYR		540	-67.8		-16.960	44.194	1.00	33.49
16466	CD2	TYR		540	-66.6		-16.515	43.708	1.00	34.96
16467	C	TYR		540			-18.313	41.848	1.00	36.61
16468	0	TYR		540	-64.8		-18.898	42.916	1.00	36.80
16469	N	LEU		541	-65.1		-18.809	40.709	1.00	36.87
16470	CA	LEU		541	-65.8		-20.092	40.700	1.00	37.25
16471	CB	LEU		541	-66.3		-20.415	39.291	1.00	36.93
16472	CG	LEU		541	-67.5		-19.587	38.829	1.00	38.22
16473	CD1	LEU		541	-67.8		-19.803	37.343	1.00	39.05
16474	CD2	LEU		541	-68.8		-19.873	39.668	1.00	36.20
16475	C	LEU		541	-64.9		-21.203	41.203	1.00	37.67
16476	ō	LEU		541	-65.3		-22.101	41.915	1.00	37.33
16477	N	ALA		542	-63.6		-21.142	40.821	1.00	38.09
16478	CA	ALA		542	-62.7		-22.187	41.203	1.00	39.00
16479	CB	ALA	Ċ	542	-61.5		-22.347	40.155	1.00	39.20
16480	C	ALA		542	-62.1		-21.960	42.595	1.00	39.15
16481	ō	ALA		542	-62.0		-22.888	43.389	1.00	40.14
16482	N	SER		543			-20.731	42.901	1.00	39.21
16483	CA	SER		543	-61.2		-20.426	44.217	1.00	39.14
16484	CB	SER		543	-60.7		-18.971	44.292	1.00	39.34
16485	OG	SER					-18.543	45.636	1.00	39.58
16486	С	SER		543	-62.2		-20.699	45.328	1.00	39.36
16487	0	SER		543			-21.352	46.316	1.00	39.08
16488	N	THR	С	544	-63.4	26	-20.206	45.157	1.00	39.58
16489	CA	THR		544	-64.4		-20.320	46.187	1.00	39.54
16490	CB	THR		544	-65.2		-19.044	46.203	1.00	39.71
16491	OG1	THR	С	544	-64.4	94	-17.943	46.641	1.00	40.26
16492	CG2	THR	С	544	-66.3	92	-19.126	47.256	1.00	39.12
16493	С	THR	С	544	-65.3	78	-21.526	46.089	1.00	39.77
16494	0	THR	С	544	-65.6	92	-22.152	47.097	1.00	40.00
16495	N	GLU	С	545	-65.8	42	-21.860	44.892	1.00	39.52
16496	CA	GLU	С	545	-66.8	39	-22.916	44.797	1.00	39.27
16497	CB	GLU	С	545	-67.9	73	-22.502	43.856	1.00	39.57
16498	CG	GLU	С	545	-68.5	26	-21.111	44.110	1.00	40.23
16499	CD	GLU	С	545	-69.2	58	-21.007	45.431	1.00	42.68
16500	OE1	GLU	С	545	-69.7	10	-19.890	45.776	1.00	42.51
16501	OE2	GLU	С	545	-69.3	90	-22.047	46.119	1.00	44.25
16502	С	GLU	С	545	-66.2	52	-24.254	44.381	1.00	38.97
16503	0	GLU	С	545	-66.9	64	-25.242	44.272	1.00	38.95
16504	N	ASN	С	546	-64.9	46	-24.273	44.153	1.00	38.74
16505	CA	ASN	С	546	-64.2	46	-25.494	43.770	1.00	38.27
16506	CB	ASN	С	546	-64.1	78	-26.487	44.943	1.00	37.92
16507	CG	ASN	С	546	-63.5	85	-25.855	46.201	1.00	38.77
16508	OD1	ASN	С	546	-64.2	62	-25.721	47.206	1.00	41.06
16509	ND2	ASN	С	546	-62.3	29	-25.421	46.126	1.00	39.38
16510	C	ASN	С	546	-64.8	09	-26.113	42.500	1.00	37.64
16511	0	ASN		546	-64.8		-27.337	42.356	1.00	37.60
16512	N	ILE	С	547	-65.1		-25.245	41.572	1.00	36.89
16513	CA	ILE	С	547			-25.683	40.281	1.00	36.08
16514	CB	ILE	С	547	-66.8	20	-24.790	39.801	1.00	36.37

FIGURE 3 LL

A	В	С	D	E	F	G	H	I	J
16515	CG1	ILE	c	547	-68.037	-24.967	40.700	1.00	36.20
16516	CD1	ILE		547		-23.815	40.631	1.00	36.43
16517	CG2	ILE		547		-25.094	38.334	1.00	34.81
16518	C	ILE		547		-25.580	39.288	1.00	35.90
16519	ō	ILE		547		-24.658	39.336	1.00	35.90
16520	N		č	548		-26.542	38.385	1.00	35.87
16521	CA			548	-63.467	-26.450	37.333	1.00	35.53
16522	CB	ILE		548	-63.015	-27.852	36.888	1.00	35.11
16523	CG1	ILE		548	-62.111	-28.490	37.955	1.00	35.15
16524	CD1	ILE		548	-61.816	-29.953	37.701	1.00	33.64
16525	CG2	ILE		548		-27.773	35.562	1.00	34.96
16526	C	ILE		548	-64.132		36.178	1.00	36.13
16527	ō	ILE		548	-65.292	-25.979	35.849	1.00	35.24
16528	N	VAL		549	-63.421	-24.769	35.576	1.00	36.68
16529	CA	VAL		549	-63.981	-24.120	34.404	1.00	37.61
16530	CB	VAL	C	549	-64.516	-22.681	34.676	1.00	38.02
16531	CG1	VAL		549		-22.104	35.895	1.00	37.21
16532	CG2	VAL	С	549	-64.381		33.434	1.00	37.91
16533	С	VAL	С	549	-63.011	-24.249	33.263	1.00	37.87
16534	0	VAL		549	-61.891	-23.741	33.298	1.00	38.40
16535	N	ALA	С	550	-63.452	-24.988	32.260	1.00	38.59
16536	CA	ALA	С	550	-62.616	-25.330	31.136	1.00	39.07
16537	CB	ALA		550		-26.838	30.910	1.00	38.57
16538	C	ALA				-24.605	29.903	1.00	39.64
16539	0	ALA	С	550	-64.266	-24.236	29.816	1.00	39.78
16540	N	SER		551		-24.401	28.962		40.23
16541	CA	SER	С	551	-62.492	-23.794	27.675	1.00	40.47
16542	CB	SER	С	551	-61.945	-22.376	27.608	1.00	40.26
16543	OG	SER	С	551	-62.591	-21.553	28.569	1.00	40.15
16544	С	SER	С	551	-61.858	-24.676	26.613	1.00	40.84
16545	0	SER	С	551	-60.957	-25.464	26.913	1.00	40.72
16546	N	PHE	С	552	-62.317	-24.555	25.374	1.00	41.26
16547	CA	PHE	С	552	-61.836	-25.446	24.336	1.00	41.74
16548	CB	PHE	С	552	-62.672	-26.712	24.352	1.00	41.97
16549	CG	PHE	С	552	-62.180	-27.772	23.431	1.00	43.86
16550	CD1	PHE	С	552	-60.964	-28.398	23.664	1.00	45.27
16551	CE1	PHE	С	552	-60.510	-29.397	22.814	1.00	46.32
16552	CZ	PHE	С	552	-61.275	-29.781	21.722	1.00	45.55
16553	CE2	PHE	С	552	-62.485		21.482	1.00	45.75
16554	CD2	PHE	С	552	-62.935	-28.162	22.337	1.00	44.84
16555	C	PHE	С	552	-61.884	-24.836	22.951	1.00	41.94
16556	0	PHE	С	552		-24.373	22.496	1.00	41.67
16557	N	ASP	С	553	-60.732	-24.844	22.283	1.00	42.13
16558	CA	ASP		553	-60.617		20.924	1.00	41.89
16559	CB	ASP		553	-59.281	-23.658	20.737	1.00	42.09
16560	CG	ASP		553		-22.394	21.538		43.48
16561	OD1	ASP		553		-21.795	21.894	1.00	45.76
16562	OD2	ASP		553		-21.906	21.845	1.00	45.69
16563	С	ASP		553		-25.500	19.951	1.00	41.77
16564	0	ASP		553		-26.158	19.594	1.00	41.88
16565	N	GLY	С	554	-61.969	-25.773	19.542	1.00	41.29

FIGURE 3 LM

A	В	C	D	Е	1	?	G	H	I	J
16566	CA	GLY	С	554	-62.2	220	-26.845	18.609	1.00	40.93
16567	C	GLY		554	-62.		-26.316	17.197	1.00	40.83
16568	ō	GLY		554	-61.6		-25.250	16.917	1.00	40.52
16569	N	ARG		555	-62.8		-27.069	16.301	1.00	40.99
16570	CA	ARG		555	-62.8		-26.677	14.908	1.00	41.49
16571	CB	ARG		555	-63.6		-27.740	14.102	1.00	41.66
16572	CG	ARG		555	-62.		-28.989	13.875	1.00	41.22
16573	CD	ARG		555	-63.4		-30.097	13.156	1.00	40.78
16574	NE	ARG		555	-64.4		-30.770	14.014	1.00	41.22
16575	CZ	ARG		555	-65.2		-31.714	13.583	1.00	41.18
16576	NH1	ARG		555	-65.3		-32.087	12.309	1.00	41.17
16577	NH2	ARG		555	-66.3		-32.291	14.416	1.00	40.16
16578	C	ARG		555	-63.5		-25.311	14.728	1.00	41.79
16579	o	ARG		555	-64.6		-25.107	15.074	1.00	41.79
16580	N	GLY		556	-62.		-24.380	14.177	1.00	41.99
16581	CA	GLY		556	-63.2		-23.047	13.921	1.00	41.94
16582	C	GLY		556	-62.3		-22.071	14.646	1.00	42.39
16583	Ö	GLY		556	-62.3		-20.893	14.290	1.00	42.40
16584	N	SER		557	-61.6		-22.557	15.663	1.00	42.64
16585	CA	SER		557	-60.		-21.667	16.441	1.00	43.31
16586	CB	SER		557	-60.2		-22.349	17.693	1.00	43.59
16587	OG	SER		557	-59.3		-23.428	17.384	1.00	45.63
16588	C	SER		557	-59.		-23.426	15.527	1.00	43.00
16589	0	SER		557	-59.5		-21.121	14.435	1.00	43.42
16590	N	GLY		558	-59.0		-20.054	15.945	1.00	43.42
16591	CA	GLY		558	-58.0		-19.441	15.102	1.00	43.19
16591	CA	GLY		558	-56.6		-19.441	15.102	1.00	44.19
16592	0			558	-56.3		-20.332	16.583		43.85
16593	N	GLY TYR		559	-55.		-19.073	14.808	1.00	44.51
16595	CA	TYR		559	-54.3		-19.073		1.00	45.17
16595	CB	TYR		559	-54.		-19.058	15.148 16.562	1.00	44.88
16597					-54.8					45.50
16598	CG CD1	TYR		559 559	-56.0		-17.195 -17.095	16.723 17.522	1.00	45.30
16599	CE1	TYR		559	-56.		-15.890	17.650	1.00	44.38
16600	CZ	TYR		559	-56.2		-14.775	16.969	1.00	44.36
16601	OH	TYR		559	-56.9		-13.574	17.077	1.00	46.25
16602	CE2	TYR		559	-55.		-14.853	16.167	1.00	45.07
16603	CD2	TYR		559	-54.4		-16.060	16.040	1.00	45.53
16604	C	TYR		559	-53.6		-20.408	14.959	1.00	45.74
	Ö	TYR		559	-52.6		-20.408	15.583	1.00	45.64
16605	N	GLN			-54.2		-21.214	14.064		46.65
16606 16607	CA	GLN		560 560	-53.6		-21.214	13.796	1.00	47.75
16608	CB	GLN		560	-54.4		-23.579	14.648	1.00	47.67
					-54.5		-23.198			47.93
16609 16610	CG	GLN		560	-54.3		-23.198	16.114 16.774	1.00	47.93
	CD OE1	GLN		560	-55.8		-23.791	17.049		48.39
16611				560					1.00	
16612	NE2	GLN		560	-56.		-22.950	17.029	1.00	48.26
16613	С	GLN		560	-53.8		-22.932	12.324		48.53
16614	0	GLN		560	-53.		-24.118	11.981	1.00	48.91
16615	N	GLY		561	-53.5		-21.940	11.458	1.00	49.30
16616	CA	GLY	C	561	-54.	112	-22.201	10.033	1.00	50.32

FIGURE 3 LN

A	В	С	D	E		F	G	H	I	J
16617	С	GLY	С	561		-55.525	-22.504	9.566	1.00	50.96
16618	0	GLY	С	561	-	-56.317	-23.069	10.318	1.00	51.27
16619	N	ASP	С	562	-	-55.818	-22.155	8.310	1.00	51.66
16620	CA	ASP	С	562	-	-57.157	-22.286	7.713	1.00	52.41
16621	CB	ASP	С	562		-57.138	-21.884	6.238	1.00	52.90
16622	CG	ASP	С	562		-56.800	-20.439	6.035	1.00	54.58
16623	OD1	ASP	С	562		-56.684	-19.702	7.044	1.00	57.97
16624	OD2	ASP		562		-56.622	-19.953	4.900	1.00	56.06
16625	С	ASP		562			-23.650	7.778	1.00	52.25
16626	0	ASP		562		-59.020	-23.755	7.594	1.00	52.28
16627	N	LYS		563		-57.036	-24.696	7.996	1.00	52.37
16628	CA	LYS		563		-57.602	-26.041	7.977	1.00	52.51
16629	CB	LYS		563		-56.501	-27.099	8.107	1.00	52.84
16630	CG	LYS		563		-57.007	-28.505	8.419	1.00	53.34
16631	CD	LYS		563		-57.820	-29.095	7.274	1.00	55.29
16632	CE	LYS		563		-58.334	-30.493	7.624	1.00	56.52
16633	NZ	LYS		563		-57.237	-31.397	8.106	1.00	56.44
16634	С	LYS		563		-58.630	-26.212	9.081	1.00	52.27
16635	0	LYS		563		-59.670	-26.843	8.887	1.00	51.73
16636	N	ILE		564		-58.337	-25.639	10.241	1.00	51.93
16637	CA		С	564		-59.230	-25.784	11.373	1.00	52.01
16638	CB CG1	ILE	C	564 564		-58.426	-26.018 -26.344	12.652	1.00	52.00
16639	CD1						-26.344	13.811 14.719	1.00	52.03
16640 16641	CG2	ILE	C	564 564		-59.619 -57.582	-24.794	12.970	1.00	52.27
16642	C	ILE		564			-24.794	11.528	1.00	51.91
16643	Ö	ILE		564		-61.282	-24.701	11.987	1.00	51.73
16644	N		č	565		-59.657		11.140	1.00	51.61
16645	CA	MET	č	565		-60.458	-22.212	11.282	1.00	51.47
16646	CB		č	565		-59.615	-20.955	11.073	1.00	51.54
16647	CG	MET	č	565			-19.705	10.934	1.00	51.13
16648	SD	MET	č	565		-59.551	-18.180	11.173	1.00	51.56
16649	CE	MET		565		-58.922	-17.890	9.531	1.00	50.91
16650	C	MET	Ċ	565		-61.629	-22.224	10.310	1.00	51.27
16651	0		С	565			-21.778	10.647	1.00	51.17
16652	N	HIS	С	566		-61.395	-22.746	9.109	1.00	51.02
16653	CA	HIS	С	566		-62.420	-22.778	8.073	1.00	50.69
16654	CB	HIS	С	566		-61.799	-22.574	6.695	1.00	50.92
16655	CG	HIS	С	566		-61.310	-21.179	6.461	1.00	51.05
16656	ND1	HIS	С	566		-60.921	-20.724	5.221	1.00	51.62
16657	CE1	HIS	С	566	-	-60.554	-19.457	5.313	1.00	52.72
16658	NE2	HIS		566		-60.690	-19.074	6.571	1.00	52.74
16659	CD2	HIS		566		-61.160		7.310	1.00	51.36
16660	С	HIS		566		-63.215	-24.058	8.111	1.00	50.68
16661	0	HIS		566		-64.132	-24.261	7.319	1.00	50.92
16662	N	ALA		567		-62.868		9.042	1.00	50.62
16663	CA	ALA		567		-63.605	-26.161	9.197	1.00	50.77
16664	CB	ALA		567		-63.204	-26.855	10.475	1.00	50.79
16665	С	ALA		567		-65.101	-25.859	9.194	1.00	51.11
16666	0	ALA		567			-26.641	8.655	1.00	51.22
16667	N	ILE	С	568		-65.482	-24.720	9.777	1.00	50.95

FIGURE 3 LO

A	В	С	D	Е	F	G	H	I	J
16668	CA	ILE	C	568	-66.899	-24.356	9.856	1.00	51.05
16669	CB	ILE	č	568		-23.718	11.226		50.91
16670	CG1	ILE		568		-22.723	11.692	1.00	50.96
16671	CD1	ILE	c	568		-21.411	10.952	1.00	51.13
16672	CG2	ILE	C	568	-67.441		12.263	1.00	50.84
16673	C	ILE	c	568	-67.447		8.734	1.00	51.22
16674	ŏ	ILE	č	568	-68.620		8.759	1.00	51.53
16675	N	ASN		569	-66.628		7.757	1.00	51.43
16676	CA		č	569	-67.126		6.669	1.00	51.48
16677	CB	ASN		569	-66.137		5.501	1.00	51.32
16678	CG	ASN		569	-66.540		4.406	1.00	51.63
16679	OD1	ASN		569	-67.048		3.357	1.00	51.78
16680	ND2	ASN		569	-66.310		4.640	1.00	51.32
16681	C	ASN		569		-22.721	6.193	1.00	51.53
16682	0	ASN		569		-23.907	6.002	1.00	51.32
16683	N	ARG		570		-21.765	6.035	1.00	51.74
16684	CA	ARG		570	-70.792		5.595	1.00	51.88
16685	CB	ARG		570	-70.791		4.184	1.00	52.09
16686	CG	ARG		570	-70.401		3.093	1.00	53.46
16687	CD	ARG		570	-70.372		1.704	1.00	55.35
16688	NE	ARG		570	-71.603		1.415	1.00	55.87
16689	CZ	ARG		570		-22.465	0.958	1.00	56.49
16690		ARG		570	-73.787		0.731	1.00	56.98
16691	NH2	ARG		570	-72.775		0.725	1.00	54.90
16692	C	ARG		570	-71.503		6.513	1.00	51.76
16693	0	ARG		570		-23.468	6.224	1.00	51.59
16694	N	ARG		571		-23.400	7.623	1.00	51.82
16695	CA	ARG		571	-71.421		8.519	1.00	51.99
16696	CB	ARG		571		-25.716	8.274	1.00	52.37
16697	CG	ARG		571	-71.638		7.659	1.00	54.66
16698	CD	ARG		571	-71.790		6.144	1.00	57.11
16699	NE	ARG		571	-73.091		5.721	1.00	59.49
16700	CZ	ARG		571	-73.691		4.577	1.00	60.45
16701	NH1	ARG		571	-74.875		4.274	1.00	60.04
16702	NH2	ARG		571	-73.113		3.733		60.76
16703	C	ARG		571	-71.361		10.004	1.00	51.39
16704	Ö	ARG		571		-24.843	10.830	1.00	51.58
16705	N	LEU		572	-71.719		10.337	1.00	50.60
16706	CA	LEU	č	572		-22.375	11.733	1.00	49.53
16707	CB	LEU		572	-72.217		11.815	1.00	49.15
16708	CG	LEU		572	-71.108		12.017	1.00	49.38
16709	CD1	LEU		572	-71.494		11.413	1.00	50.08
16710	CD2	LEU		572	-69.767		11.479	1.00	48.95
16711	C	LEU		572	-72.871		12.427	1.00	48.87
16712	0	LEU		572	-73.839		11.800		48.51
16713	N	GLY		573		-23.530	13.714	1.00	48.27
16714	CA	GLY		573	-73.602		14.474	1.00	47.83
16715	CA	GLY		573		-24.350	14.474	1.00	47.83
16716	0	GLY		573	-74.372		14.238	1.00	47.71
16717	N	THR		574		-26.248	13.860	1.00	48.01
16718	CA	THR				-20.248	13.630		48.12
TOLTR	CA	THR	U	3/4	-/1.951	-21.05/	13.030	1.00	48.12

FIGURE 3 LP

16719 CB	A	В	C	D	E	F	G	H	I	J
16720 CG1 THR C 574	16719	CB	THR	c	574	-71.755	-27.943	12.125	1.00	48.42
16721 CG2 THR C 574 -72.907 -27.360 11.312 1.00 48.11 16723 O THR C 574 -70.813 -28.392 15.614 1.00 48.01 16723 O THR C 575 -68.352 -28.731 14.291 1.00 47.66 16725 CA PHE C 575 -68.352 -28.731 14.291 1.00 47.61 16726 CB PHE C 575 -67.520 -29.348 11.926 1.00 47.51 16728 CD1 PHE C 575 -67.521 -28.654 11.927 1.00 46.47 16730 CZ PHE C 575 -68.111 -30.628 12.012 1.00 46.47 16731 CZ PHE C 575 -68.069 -30.742 9.628 1.00 47.21 16733 CD PHE C 575 -67.463 28.028 10.00 47.21 16733										
16722 C THR C 574 -70.728 -28.126 14.10 1.00 48.05 16723 O THR C 575 -69.596 -28.212 15.614 1.00 47.66 16725 CA PHE C 575 -69.596 -28.212 13.716 1.00 47.66 16726 CB PHE C 575 -67.502 -29.384 11.987 1.00 46.95 16729 CEI PHE C 575 -68.311 -30.628 12.012 1.00 46.95 16730 CZ PHE C 575 -68.391 -31.305 10.848 1.00 47.87 16731 CZ PHE C 575 -67.463 -29.493 9.582 1.00 47.71 16733 C PHE C 575 -67.463 -29.493 9.582 1.00 47.31 16732 CD PHE C 575 -67.533 -28.728 16.545 1.00 47.01 167										
16723 O THR C 574 -70.813 -28.392 15.614 1.00 47.93 16725 CA PHE C 575 -69.596 -28.212 13.716 1.00 47.66 16726 CB PHE C 575 -67.502 -29.344 11.287 1.00 47.46 16727 CG PHE C 575 -67.502 -29.344 11.287 1.00 47.51 16732 CE PHE C 575 -68.391 -31.305 10.948 1.00 47.51 16730 CZ PHE C 575 -68.069 -30.742 9.628 1.00 48.25 16733 CDZ PHE C 575 -67.463 -29.493 9.582 1.00 47.21 16733 CD PHE C 575 -67.185 -28.821 10.073 1.00 47.21 16734 O PHE C 575 -67.332 -28.821 10.073 1.00 47.09 1										
16724 N PREC 575 -69.596 -28.212 13.716 1.00 47.66 16725 C PRE C 575 -68.595 -28.731 14.291 1.00 47.66 16726 CB PRE C 575 -67.211 -28.654 13.266 1.00 47.51 16727 CG PRE C 575 -67.502 -29.384 11.387 1.00 46.95 16728 CD1 PRE C 575 -68.391 -31.305 10.848 1.00 46.95 16730 CZ PRE C 575 -68.391 -31.305 10.848 1.00 47.51 16731 CZ PRE C 575 -68.69 -30.742 9.628 1.00 47.51 16733 CZ PRE C 575 -67.463 -29.493 9.582 1.00 47.31 16733 CZ PRE C 575 -67.463 -29.493 9.582 1.00 47.31 16733 C PRE C 575 -67.333 -28.728 16.541 1.00 47.91 16735 N GUU C 576 -68.043 -26.729 15.629 1.00 47.91 16736 CA GUU C 576 -68.087 -24.409 16.528 1.00 47.91 16737 CB GUU C 576 -69.396 -24.370 15.753 1.00 47.90										
16725 CA PRIE C 575 -68.352 -28.731 14.291 1.00 47.46 16727 CG PRIE C 575 -67.502 -29.384 11.266 1.00 47.51 16727 CG PRIE C 575 -67.502 -29.384 11.987 1.00 46.95 16730 CZ PRIE C 575 -68.011 -30.628 12.012 1.00 46.47 16730 CZ PRIE C 575 -68.069 -30.742 9.628 1.00 47.21 16733 CDZ PRIE C 575 -67.463 -29.493 9.582 1.00 47.21 16733 CD PRIE C 575 -67.185 -28.821 10.063 1.00 47.21 16734 O PRIE C 575 -67.132 -28.2821 10.073 10.00 47.09 16735 N GLU C 576 -67.332 28.728 15.629 10.00 47.09										
16726 CB PHE C 575 -67.211 -28.654 13.266 1.00 47.51 16727 CB PHE C 575 -67.502 -29.384 11.987 1.00 46.95 16728 CDI PHE C 575 -68.111 -30.628 12.012 1.00 46.95 16730 CZ PHE C 575 -68.099 -30.742 9.628 1.00 47.51 16731 CE2 PHE C 575 -67.463 -29.493 9.628 1.00 47.31 16733 C PHE C 575 -67.943 -28.056 15.598 1.00 47.31 16735 N GUU 576 -67.933 -28.056 15.598 1.00 47.09 16735 N GUU 576 -67.336 -67.29 15.629 1.00 47.01 16736 CA GUU 576 -68.043 -26.729 16.811 1.00 47.37 16739 <td></td>										
16727 CG PHE C 575 -67.502 29.384 11.987 1.00 46.95 16728 CDI PHE C 575 -68.391 -31.305 10.488 1.00 46.787 16730 CZ PHE C 575 -68.391 -31.305 10.848 1.00 45.87 16731 CE2 PHE C 575 -67.463 -29.493 9.582 1.00 47.21 16733 CD2 PHE C 575 -67.185 -28.821 10.763 1.00 47.21 16733 O PHE C 575 -67.943 -28.056 15.598 1.00 47.21 16734 O PHE C 575 -67.933 -28.728 16.554 1.00 47.09 16735 N GUU 576 -67.730 -25.922 16.811 1.00 47.37 16737 CB GUU 576 -69.396 -24.370 15.593 1.00 47.46 167										
16728 CD1 PRE 575 -68.111 -30.628 12.012 1.00 46.47 16730 CZ PRE 575 -68.069 -30.742 9.628 1.00 48.72 16731 CEZ PRE 575 -68.069 -30.742 9.628 1.00 47.21 16731 CEZ PRE 575 -67.185 -28.821 10.763 1.00 47.21 16733 C PRE 575 -67.943 -28.056 15.598 1.00 47.31 16735 N GUU 576 -67.333 -28.728 16.545 1.00 47.01 16735 N GUU 576 -67.30 -25.29 16.811 1.00 47.37 16736 CB GUU 576 -68.087 -24.469 16.528 1.00 47.70 16738 CB GUU 576 -69.396 -24.370 15.753 1.00 49.50 16740 <										
16729 CEI PHE C 575 -68.391 -31.305 10.848 1.00 47.87 16730 CZ PHE C 575 -68.696 -30.742 9.628 1.00 47.21 16731 CEZ PHE C 575 -67.463 -29.493 9.582 1.00 47.21 16733 C PHE C 575 -67.943 -28.056 15.598 1.00 47.21 16733 O PHE C 575 -67.943 -28.056 15.598 1.00 47.09 16735 N GUU C 576 -68.043 -26.729 15.629 1.00 47.37 16736 CA GUU C 576 -68.043 -26.729 16.511 1.00 47.37 16738 CG GUU C 576 -68.088 -24.430 15.529 1.00 47.40 16738 CG GUU C 576 -69.396 -24.370 15.753 1.00 47.95 16743 CG GUU C 576 -69.396 -24.370 15.753 1.00 47.95 16740 OEI GUU C 576 -69.110 -22.041 15.962 1.00 52.07 16742 C GUU C 576 -69.110 -22.041 15.962 1.00 52.07 16743 C GUU C 576 -69.145 -26.518 19.099 1.00 46.69 <tr< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr<>										
16730 CZ PHE C 575 -68.069 -30.742 9.628 1.00 47.21 16731 CEZ PHE C 575 -67.463 -29.493 9.582 1.00 47.21 16733 C D2 PHE C 575 -67.185 -28.821 10.763 1.00 47.21 16733 C PHE C 575 -67.933 -28.056 15.598 1.00 47.31 16735 N GUU 576 -67.303 -28.728 16.545 1.00 47.40 16737 CB GUU 576 -67.303 -25.22 16.811 1.00 47.70 16738 CG GUU 576 -69.845 -22.955 15.543 1.00 47.70 16740 OEL GUU 576 -69.845 -22.955 15.543 1.00 55.10 16741 OEZ GUU 576 -69.845 -22.954 14.962 1.00 55.10 16743 <td></td>										
16731 CE2 PHE C 575 -67.463 -29.493 9.582 1.00 48.25 16733 C PHE C 575 -67.188 -28.281 10.763 1.00 47.21 16734 O PHE C 575 -67.943 -28.056 15.598 1.00 47.31 16735 N GLU C 576 -68.043 -26.729 15.629 1.00 47.40 16736 CA GLU C 576 -68.087 -24.409 15.529 1.00 47.37 16738 CG GLU C 576 -69.386 -24.370 15.753 1.00 47.37 16739 CD GLU C 576 -69.386 -24.370 15.753 1.00 47.50 16740 OEI LU 576 -69.386 -22.955 15.543 1.00 55.10 16741 OEI GLU 576 -69.115 -26.392 17.972 1.00 56.67 16743 O GLU										
16732 CD2 PHE C 575 -67.185 -28.821 10.763 1.00 47.21 16733 O PHE C 575 -67.943 -28.056 1.5598 1.00 47.21 16735 N GLU C 576 -67.533 -28.728 16.545 1.00 47.40 16736 C GLU C 576 -67.30 -25.922 16.811 1.00 47.70 16737 CB GLU C 576 -69.369 -24.370 15.753 1.00 47.70 16739 CD GLU C 576 -69.369 -24.370 15.753 1.00 47.70 16740 OEI GLU 576 -69.845 -22.955 15.543 1.00 51.64 16740 OEI GLU 576 -69.849 -26.637 17.972 1.00 56.69 16743 O GLU 576 -68.152 -26.332 17.972 1.00 56.10 16744<										
16733 C PHE C 575 -67.943 -28.056 15.98 1.00 47.31 16734 O PHE C 575 -67.333 -28.728 16.545 1.00 47.90 16735 N GLU C 576 -68.043 -26.729 15.629 1.00 47.40 16737 CB GLU C 576 -68.087 -24.469 16.528 1.00 47.73 16738 CB GLU C 576 -69.386 -24.470 15.573 1.00 49.50 16740 OELI C 576 -69.386 -22.955 15.543 1.00 55.10 16740 OEL GLU C 576 -69.110 -22.041 15.962 1.00 55.10 16742 C GLU C 576 -68.182 26.332 17.972 1.00 46.69 16743 O GLU C 576 -68.181 2.00 11.661 1.00 45.80 16744 N V										
16734 Q PHE C 575 -67.533 -28.728 16.545 1.00 47.09 16735 CA GUU C 576 -68.087 -26.292 15.629 1.00 47.09 16736 CA GUU C 576 -68.087 -24.469 16.528 1.00 47.70 16738 CB GUU C 576 -69.396 -24.370 15.753 1.00 47.70 16740 OEI GUU C 576 -69.845 -22.955 15.543 1.00 47.70 16741 OEZ GUU C 576 -69.845 -22.955 15.543 1.00 51.64 16742 CE GUU C 576 -69.816 -22.2754 14.962 1.00 52.07 16743 O GUU C 576 -68.115 -26.518 19.99 1.00 46.67 16743 O GUU C 577 -69.89 -26.6318 19.99 1.00 46.14										
16735 N GLU C 576 -68.043 266.729 15.629 1.00 47.40 16736 CA GLU C 576 -67.730 25.922 16.811 1.00 47.37 16737 CB GLU C 576 -69.386 -24.469 16.528 1.00 47.70 16738 CB GLU C 576 -69.845 -22.955 15.533 1.00 49.50 16740 OEI GLU C 576 -69.110 -22.041 15.962 1.00 55.10 16742 C GLU C 576 -69.110 -22.041 15.962 1.00 55.10 16743 C GLU C 576 -68.1582 -26.392 17.972 1.00 46.69 16743 N VAL C 577 -69.849 -26.637 17.679 1.00 46.79 16745 C VAL C 577 -72.238 -26.956 18.142 1.00 45.00 16										
16736 CA GLU C 576 -67.730 -25.922 16.811 1.00 47.37 16738 CG GLU C 576 -68.088 7.24.469 16.528 1.00 47.73 16739 CD GLU C 576 -69.396 -24.370 15.753 1.00 49.50 16740 OEI GLU C 576 -69.110 -22.041 15.962 1.00 55.16 16741 OEZ GLU C 576 -69.110 -22.074 15.962 1.00 55.10 16742 C GLU C 576 -68.115 -26.518 19.099 1.00 46.67 16743 O GLU C 577 -69.899 -26.631 19.099 1.00 46.67 16744 N VAL C 577 -70.809 -27.068 18.681 1.00 45.80 16746 CB VAL C 577 -72.2543 -26.522 17.933 1.00 45.07 16749 C										
16737 CB GUU C 576 -68.087 -24.469 16.528 1.00 47.70 16738 CG GUU C 576 -69.349 -24.379 15.753 1.00 49.50 16740 OEI GUU C 576 -69.845 -22.955 15.543 1.00 55.10 16742 C GUU C 576 -69.810 -22.754 14.962 1.00 52.10 16742 C GLU C 576 -68.582 -26.392 17.972 1.00 46.69 16743 O GLU C 576 -68.181 -26.518 19.099 1.00 46.67 16744 N VAL C 577 -70.849 -26.637 17.679 1.00 46.14 16745 CA VAL C 577 -72.238 26.956 18.612 1.00 45.30 16747 CGI VAL C 577 -72.528 26.956 18.142 1.00 45.30 16										
16738 CG GUU C 576 -69.396 24.370 15.753 1.00 49.50 16740 OEI GLU C 576 -69.848 -22.951 15.543 1.00 51.64 16741 OEZ GLU C 576 -69.110 -22.041 15.962 1.00 55.10 16742 C GLU C 576 -68.582 -26.392 17.972 1.00 46.67 16743 O GLU C 576 -68.115 -26.518 19.099 1.00 46.67 16744 N VAL C 577 -69.899 -26.631 17.679 1.00 46.67 16746 C VAL C 577 -70.809 -27.068 18.162 1.00 45.80 16748 C VAL C 577 -72.243 -26.522 17.833 1.00 45.07 16749 C VAL C 577 -72.543 -26.522 17.833 1.00 45.07 167										
16739 CD GLU C 576 -69.845 -22.955 15.543 1.00 51.64 16740 OE1 GLU C 576 -70.926 -22.754 14.962 1.00 55.10 16742 C GLU C 576 -68.582 -26.392 17.972 1.00 46.69 16743 O GLU C 576 -68.582 -26.392 17.972 1.00 46.69 16743 O GLU C 576 -68.949 -26.637 17.679 1.00 46.14 16.745 CA VAL C 577 -70.809 -27.068 18.681 1.00 55.07 16746 CB VAL C 577 -70.809 -27.068 18.681 1.00 45.30 16747 CG 1VAL C 577 -72.238 -26.956 18.142 1.00 45.30 16747 CG 1VAL C 577 -72.238 -26.956 18.142 1.00 45.30 16747 CG 1VAL C 577 -72.238 -26.956 18.142 1.00 45.30 16747 CG 1VAL C 577 -70.525 -28.491 19.143 1.00 45.15 16749 C VAL C 577 -70.525 -28.491 19.143 1.00 45.15 16750 O VAL C 577 -70.525 -28.491 19.143 1.00 45.15 16750 O VAL C 577 -70.525 -28.491 19.143 1.00 45.15 16755 CD GLU C 578 -69.999 -30.756 18.540 1.00 47.95 16755 CD GLU C 578 -69.799 -30.756 18.540 1.00 47.95 16755 CD GLU C 578 -68.335 -33.802 17.088 1.00 55.56 16756 OE1 GLU C 578 -68.335 -33.802 17.088 1.00 55.56 16756 CD GLU C 578 -68.633 -33.802 17.808 1.00 55.56 16756 CD GLU C 578 -68.633 -33.802 17.808 1.00 55.56 16756 CD GLU C 578 -68.633 -30.821 19.356 1.00 46.76 16760 N ASP C 579 -66.233 -30.821 19.356 1.00 46.76 16761 CA ASP C 579 -66.238 -30.121 19.356 1.00 46.76 16761 CA ASP C 579 -66.238 -30.121 19.356 1.00 45.15 16766 C ASP C 579 -65.262 -29.446 18.657 1.00 45.86 16763 CB ASP C 579 -65.262 -9.446 18.657 1.00 45.86 16763 CB ASP C 579 -66.233 -29.809 20.941 1.00 45.17 16766 C ASP C 579 -66.233 -29.809 20.941 1.00 45.44 16766 C ASP C 579 -66.233 -29.809 20.941 1.00 45.44 16766 C ASP C 579 -66.233 -29.809 20.941 1.00 45.44 16768 N GLN C 580 -67.513 -30.234 21.376 1.00 45.44 16768 N GLN C 580 -67.476 -30.234 21.376 1.00 45.44 16768 N GLN C 580 -67.476 -30.234 21.376 1.00 45.44 16768 N GLN C 580 -67.513 -30.234 21.376 1.00 45.44 16768 N GLN C 580 -67.513 -30.234 21.376 1.00 45.44 16768 N GLN C 580 -67.513 -30.234 21.376 1.00 45.44 16768 N GLN C 580 -67.513 -30.234 21.376 1.00 45.44 16768 N GLN C 580 -67.513 -30.234 21.376 1.00 45.44 16768 N GLN C 580 -67.513 -30.234 21.376 1.00										
16740 OE1 GUU C 576 -69.110 -22.041 15.962 1.00 55.10 16741 OE2 GUU C 576 -70.926 - 22.754 14.962 1.00 52.07 16742 C GUU C 576 -68.582 - 26.392 17.972 1.00 46.69 16743 O GLU C 576 -68.1515 - 226.518 19.099 1.00 46.67 16744 N VAL C 577 -69.849 - 26.637 17.679 1.00 46.16 16746 CA VAL C 577 -72.238 - 26.956 18.142 1.00 45.80 16747 CG1 VAL C 577 -72.238 - 26.956 18.142 1.00 45.07 16748 CZ VAL C 577 -72.543 - 25.522 17.933 1.00 45.07 16749 C VAL C 577 -73.227 - 27.513 19.128 1.00 45.07 16750 VAL C 577 -70.525 - 28.491 19.143 1.00 46.01 16751 N GUU C 578 -69.737 - 328.778 20.342 1.00 45.34 16752 CA GUU C 578 -69.719 - 31.645 17.306 1.00 47.41 16753 CB GUU C 578 -69.566 - 333 - 33.801 17.991 1.00 51.44 16755 CB GUU C 578 -68.335 - 33.801 17.991 1.00 51.44 16755 CB GUU C 578 -68.335 -										
16741 OE2 GLU C 576 -70.926 -22.754 14.962 1.00 52.07 16742 C GLU C 576 -68.8582 -26.392 17.972 1.00 46.69 16743 O GLU C 576 -68.8115 -26.518 19.099 1.00 46.67 16744 N VAL C 577 -69.849 -26.637 17.679 1.00 45.60 16745 CA VAL C 577 -70.809 -27.068 18.681 1.00 45.30 16747 CGI VAL C 577 -72.238 -26.956 18.142 1.00 45.30 16748 CG2 VAL C 577 -72.534 -25.522 17.833 1.00 45.15 16749 C VAL C 577 -70.573 -28.778 20.342 1.00 45.34 16751 N GLU C 578 -69.719 -31.645 11.00 46.07 16752 C GLU C 578 -69.719 -31.645 11.00 61.00 47.95 16755 C GLU C 578 -69.719 -31.645 17.06 1.00 47.95 16755 C GLU C 578 -69.786 -33.119 17.691 1.00 51.44 16755 C GLU C 578 -69.719 -31.645 17.066 1.00 47.95 16756 <td></td>										
16742 C GLUC 576 -68.582 - 26.392 17.972 1.00 46.69 16743 O GLUC 576 -68.115 - 26.518 19.099 1.00 46.67 16745 CA VAL C 577 -69.849 - 26.637 17.679 1.00 46.74 16746 CB VAL C 577 -70.809 - 27.068 18.681 1.00 45.80 16746 CB VAL C 577 -72.238 - 26.956 18.142 1.00 45.07 16748 CG2 VAL C 577 -72.543 - 25.522 17.833 1.00 45.07 16749 C VAL C 577 -73.227 - 27.513 19.128 1.00 45.07 16750 O VAL C 577 -70.525 - 28.491 19.143 1.00 45.01 16751 N GLU C 578 -69.733 - 28.778 20.342 1.00 45.47 16752 C A GLU C 578 -69.909 - 30.756 18.540 1.00 47.95 16755 C D GLU C 578 -69.566 - 33.119 17.691 1.00 47.95 16755 O D GLU C 578 -69.566 - 33.319 17.691 1.00 47.95 16755 C D GLU C 578 -69.566 - 33.319 17.681 1.00 51.44 16755 C D GLU C 578 -67.517 - 34.352 17.833 1.00 55.56 </td <td></td>										
16743 O GLU C 576 -68.115 -26.518 19.099 1.00 46.67 16745 CA VAL C 577 -69.849 -26.637 17.679 1.00 46.14 16746 CB VAL C 577 -70.809 -27.088 18.681 1.00 45.30 16746 CB VAL C 577 -72.238 -26.956 18.142 1.00 45.30 16749 CG VAL C 577 -72.238 -25.522 1.933 1.00 45.15 16750 VAL C 577 -70.523 -28.778 20.342 1.00 45.15 16751 N GLU C 578 -70.573 -28.778 20.342 1.00 46.71 16752 CA GLU C 578 -69.719 -31.645 17.306 1.00 47.95 16755 CB GLU C 578 -69.719 -31.645 17.306 1.00 47.95 16755 <t< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></t<>										
16744 N VAL C 577 -69.849 -26.637 17.679 1.00 46.14 16745 C VAL C 577 -70.809 -27.068 18.681 1.00 45.80 16747 CG1 VAL C 577 -72.238 -26.956 18.142 1.00 45.07 16748 CG2 VAL C 577 -72.543 -25.522 17.033 1.00 45.07 16750 VAL C 577 -70.525 -28.491 19.128 1.00 45.01 16751 N GLU C 578 -70.537 -28.778 18.193 1.00 46.47 16752 C GLU C 578 -69.719 -31.645 11.00 47.95 16753 CB GLU C 578 -69.719 -31.645 17.066 1.00 47.95 16755 CD GLU C 578 -66.3319 17.081 17.088 1.00 55.56 16755 CD GLU C 578 -66.3319 17.081 11.00 51.44 16755 CD GLU C										
16745 CA VAL C 577 -70.809 -27.068 18.681 1.00 45.80 16746 CB VAL C 577 -72.238 -26.956 18.142 1.00 45.30 16747 CGI VAL C 577 -72.238 -25.522 17.833 1.00 45.07 16749 C VAL C 577 -70.525 -28.491 19.143 1.00 46.15 16750 O VAL C 577 -70.573 -28.778 20.342 1.00 45.34 16751 N GLU 578 -69.909 -30.756 18.540 1.00 47.91 16753 CB GLU 578 -69.909 -30.756 18.540 1.00 47.91 16754 CG GLU 578 -69.919 -31.645 17.088 1.00 47.95 16755 CD GLU 578 -69.566 -33.119 17.691 1.00 57.56 16755 <td></td>										
16746 CB VAL C 577 -72.238 -26.956 18.142 1.00 45.30 16748 CG2 VAL C 577 -72.238 -26.956 18.142 1.00 45.30 16748 CG2 VAL C 577 -73.227 -27.513 19.128 1.00 45.15 16750 O VAL C 577 -70.573 -28.778 20.342 1.00 45.01 16751 N GLU C 578 -69.799 -30.756 18.540 1.00 47.95 16753 CB GLU C 578 -69.719 -31.645 17.306 1.00 47.95 16754 CB GLU C 578 -69.719 -31.645 17.306 1.00 47.95 16755 OE GLU C 578 -68.335 -33.802 17.088 1.00 55.56 16755 OE GLU C 578<										
16747 CGI VAL C 577 -72.543 -25.522 17.833 1.00 45.07 16748 CG VAL C 577 -73.227 -27.513 19.128 1.00 45.15 16749 C VAL C 577 -70.525 -28.491 19.143 1.00 46.01 16750 O VAL C 577 -70.573 -28.778 20.342 1.00 45.34 16751 N GLU C 578 -70.234 -29.378 18.193 1.00 46.34 16752 CA GLU C 578 -69.799 -30.756 18.540 1.00 47.41 16753 CB GLU C 578 -69.719 -31.645 17.306 1.00 47.95 16755 CG GLU C 578 -69.566 -33.119 17.691 1.00 57.44 16755 CB GLU C 578 -68.189 -33.801 15.833 1.00 56.75 16756 OEI GLU C 578 -68.189 -33.801 15.833 1.00 56.75 16757 OE GLU C 578 -68.139 -33.801 15.833 1.00 56.75 16758 C GLU C 578 -68.139 -33.801 15.833 1.00 56.75 16759 C GLU C 578 -67.517 -34.352 1.844 1.00 5.92										
16748 CG2 VAL C 773.227 -27.513 19.128 1.00 45.15 16759 C VAL C 577 -70.525 -28.491 19.143 1.00 46.11 16751 N GLU 578 -70.234 -29.378 18.193 1.00 45.34 16752 C GLU 578 -69.909 -30.756 18.540 1.00 47.95 16753 C GLU 578 -69.719 -31.645 17.306 1.00 47.95 16755 C GLU 578 -69.719 -31.645 17.306 1.00 47.95 16755 C GLU 578 -69.719 -31.645 17.306 1.00 47.95 16756 CBI GLU 578 -68.333 33.802 17.088 1.00 55.56 16758 C GLU 578 -67.517 -34.352 17.876 1.00 55.92 16759										
16749 C VAL C 577 -70.525 -28.491 19.143 1.00 46.01 16750 O VAL C 577 -70.573 -28.778 20.342 1.00 45.44 16751 N GLU 578 -69.909 -30.756 18.540 1.00 47.41 16753 CB GLU 578 -69.719 -31.645 17.306 1.00 47.41 16755 CB GLU 578 -69.566 -33.3119 17.091 1.00 47.41 16755 CB GLU 578 -69.566 -33.3119 17.091 1.00 57.44 16756 OBL C 578 -68.189 -33.801 15.833 1.00 56.75 16757 OE GLU 578 -67.517 73.432 1.9356 1.00 56.75 16759 C GLU 578 -67.517 73.432 1.9356 1.00 56.75										
16750 O VAL C 577 -70.573 -28.778 20.342 1.00 45.34 16751 N GLU C 578 -70.234 -29.378 18.193 1.00 46.47 16752 CA GLU C 578 -69.909 -30.756 18.540 1.00 47.41 16753 CB GLU C 578 -69.719 -31.645 17.306 1.00 47.95 16755 CD GLU C 578 -69.719 -31.645 17.068 1.00 51.56 16756 CD GLU C 578 -68.335 -33.802 17.088 1.00 55.56 16756 CD GLU C 578 -68.633 -33.802 17.088 1.00 55.56 16758 C GLU C 578 -67.517 -34.352 17.876 1.00 55.92 16758 C GLU C 578 -67.517 -34.352 17.876 1.00 45.96 16										
16751 N GLU C 578 -70.234 -29.378 18.193 1.00 46.47 16752 CA GLU C 578 -69.909 -30.756 18.540 1.00 47.41 16753 CB GLU C 578 -69.719 -31.645 17.306 1.00 47.95 16755 CD GLU C 578 -68.833 -33.802 17.088 1.00 55.45 16755 OEZ GLU C 578 -68.189 -33.301 15.833 1.00 56.75 16756 OEZ GLU C 578 -67.517 -34.352 17.986 1.00 55.75 16758 OE GLU C 578 -68.189 -33.301 15.833 1.00 56.75 16759 OE GLU C 578 -68.633 -30.821 19.356 1.00 56.75 16769 N ASP C 579 -68.633 -30.821 19.356 1.00 46.76 <t< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></t<>										
16752 CA GLU C 578 -69.909 -30.756 18.540 1.00 47.41 16753 CB GLU C 578 -69.719 -31.645 17.306 1.00 47.45 16754 CG GLU C 578 -69.566 -33.119 17.691 1.00 47.45 16755 CD GLU C 578 -68.335 -33.802 17.088 1.00 55.56 16757 OE2 GLU C 578 -68.189 -33.801 17.876 1.00 55.56 16758 C GLU C 578 -67.517 -34.352 17.876 1.00 55.92 16758 C GLU C 578 -68.595 -31.442 20.418 1.00 46.10 16760 N ASP C 579 -67.591 -30.176 18.844 1.00 46.10 16761 CA ASP C 579 -66.289 -30.233 19.472 1.00 45.86										
16753 CB GLU C 578 -69.719 -31.645 17.306 1.00 47.95 16754 CG GLU C 578 -69.566 -33.119 17.691 1.00 51.44 16755 CD GLU C 578 -68.335 -33.801 17.088 1.00 55.56 16757 OE2 GLU C 578 -67.517 -34.352 17.876 1.00 56.75 16758 OE GLU C 578 -68.633 -30.821 17.936 1.00 56.75 16759 OE GLU C 578 -68.633 -30.821 17.936 1.00 46.76 16760 N ASP C 579 -67.591 -30.176 18.844 1.00 46.10 16761 CA ASP C 579 -67.262 29.446 18.657 1.00 45.86 16763 CG ASP C 579 -65.262 29.446 18.657 1.00 45.86										
16754 CG GLU C 578 -69.566 -33.119 17.691 1.00 51.44 16755 CD GLU C 578 -68.335 -33.802 17.088 1.00 55.56 16757 OEZ GLU C 578 -68.189 -33.801 15.833 1.00 56.75 16758 C GLU C 578 -68.593 11.9356 1.00 46.76 16759 O GLU C 578 -68.595 -31.442 20.418 1.00 46.81 16760 N ASP C 579 -67.591 -30.217 18.844 1.00 46.81 16761 CA ASP C 579 -65.262 -29.446 18.657 1.00 45.83 16763 CB ASP C 579 -65.050 -30.070 17.284 1.00 46.10 16764 ODI ASP C 579 -65.262 -29.446 18.657 1.00 45.86 16765										
16755 CD GJU C 578 -68.335 -33.802 17.088 1.00 55.56 16756 OEI GU C 578 -68.138 -33.801 15.833 1.00 56.75 16758 C GLU C 578 -68.633 -30.821 19.356 1.00 46.76 16759 O GLU C 578 -68.633 -30.821 19.356 1.00 46.76 16760 N ASP C 579 -67.591 -30.176 18.844 1.00 46.10 16761 C ASP C 579 -65.262 29.446 18.657 1.00 45.86 16763 C ASP C 579 -65.262 29.446 18.657 1.00 45.86 16765 O ASP C 579 -65.534 -31.169 17.008 1.00 45.17 16765 O ASP C 579 -66.333 -29.809 20.941 1.00 45.12 16766 </td <td></td>										
16756 OE1 GUD C 578 -68.189 -33.801 15.833 1.00 56.75 16757 OE2 GLU C 578 -67.517 -34.352 17.876 1.00 55.92 16759 O GLU C 578 -68.633 -30.821 19.356 1.00 46.76 16760 N ASP C 579 -67.591 -30.176 18.844 1.00 46.10 16762 CB ASP C 579 -66.289 -30.233 19.672 1.00 45.83 16763 CG ASP C 579 -65.262 -29.446 18.657 1.00 45.83 16763 CG ASP C 579 -65.262 -29.446 18.657 1.00 45.83 16763 CG ASP C 579 -65.262 -30.070 17.284 1.00 46.12 16765 OD ASP C 579 -64.283 -29.535 16.416 1.00 45.17 <t< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></t<>										
16757 OEZ GLU C 578 -67.517 -34.352 17.876 1.00 55.92 16758 C GLU C 578 -68.633 -30.821 19.356 1.00 46.76 16760 N ASP C 579 -67.591 -30.176 18.844 1.00 46.10 16762 CB ASP C 579 -65.262 -29.446 18.657 1.00 45.86 16763 G ASP C 579 -65.262 -29.446 18.657 1.00 46.10 16765 ODZ ASP C 579 -65.534 -31.169 17.008 1.00 45.17 16765 ODZ ASP C 579 -65.262 -29.446 18.657 1.00 45.17 16765 ODZ ASP C 579 -65.534 -31.169 17.008 1.00 45.17 16766 C ASP C 579 -66.232 -29.809 20.941 1.00 47.24 <t< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></t<>										
16758 C GLU C 578 -68.633 -30.821 19.356 1.00 46.76 16760 N ASP C 579 -68.595 -31.442 20.418 1.00 46.10 16761 C ASP C 579 -67.591 -30.176 18.844 1.00 46.10 16762 C BSP C 579 -65.289 -30.233 19.472 1.00 45.86 16763 C GB ASP C 579 -65.262 -29.446 18.657 1.00 45.86 16764 ODI ASP C 579 -65.534 -31.169 17.008 1.00 45.12 16765 ODZ ASP C 579 -64.283 -29.535 16.16 1.00 47.24 16766 OZ ASP C 579 -64.283 -29.535 16.16 1.00 47.24 16766 OZ ASP C 579 -65.302 29.41 1.00 45.76 16767 O ASP C 579 -65.303 30.234 21.736 1.00 45.74 16767 O										
16759 O CLU C 578 -68.595 -31.442 20.418 1.00 46.81 16761 CA ASP C 579 -67.591 -30.176 18.844 1.00 46.10 16762 CB ASP C 579 -65.262 -29.446 18.657 1.00 45.86 16763 CG ASP C 579 -65.262 -29.446 18.657 1.00 45.86 16764 ODI ASP C 579 -65.506 -30.70 17.284 1.00 46.17 16765 ODZ ASP C 579 -64.283 -29.536 16.416 1.00 47.24 16766 C ASP C 579 -64.283 -29.530 20.941 1.00 45.70 16767 O ASP C 579 -65.366 -30.323 29.702 20.941 1.00 45.70 16767 O ASP C 579 -65.476 30.234 21.736 1.00 45.74										
16760 N ASP C 579 -67.591 -30.176 18.844 1.00 46.10 16761 CA ASP C 579 -65.289 -30.233 19.472 1.00 45.83 16762 CB ASP C 579 -65.262 -29.446 18.657 1.00 45.86 16763 OD ASP C 579 -65.534 -31.169 17.008 1.00 45.17 16765 OD ASP C 579 -64.283 -29.535 16.16 1.00 45.17 16766 C ASP C 579 -64.283 -29.535 16.416 1.00 47.24 16766 O ASP C 579 -65.476 -30.234 21.736 1.00 45.70 16767 O ASP C 579 -65.376 -30.234 21.736 1.00 45.44 16768 N GIN C 580 -67.313 -29.000 21.307 1.00 45.12										
16761 CA ASP C 579 -66.289 30.233 19.472 1.00 45.83 16763 CB ASP C 579 -65.262 -29.446 18.657 1.00 45.86 16763 CG ASP C 579 -65.505 -30.070 17.284 1.00 46.12 16765 OD ASP C 579 -65.534 -31.169 17.008 1.00 47.17 16766 C ASP C 579 -64.283 -29.530 16.416 1.00 45.70 16767 O ASP C 579 -65.376 -30.234 21.376 1.00 45.70 16768 N GLN C 580 -67.476 30.234 21.376 1.00 45.44 16768 N GLN C 580 -67.313 -29.000 21.307 1.00 45.42										
16762 CB ASP C 579 -65.262 -29.446 18.657 1.00 45.86 16763 CG ASP C 579 -65.005 -30.070 17.284 1.00 46.12 16765 ODZ ASP C 579 -66.323 -29.809 20.941 1.00 47.24 16766 C ASP C 579 -66.323 -29.809 20.941 1.00 45.44 16768 N GLN C 580 -67.376 -30.234 21.736 1.00 45.44 16768 N GLN C 580 -67.313 -29.000 21.307 1.00 45.24										
16763 CG ASP C 579 -65.005 -30.070 17.284 1.00 46.12 16764 OD1 ASP C 579 -65.534 -31.169 17.008 1.00 45.17 16765 OD2 ASP C 579 -64.283 -29.535 16.416 1.00 47.24 16766 C ASP C 579 -66.323 -29.809 20.941 1.00 45.70 16767 O ASP C 579 -65.476 -30.234 21.736 1.00 45.44 16768 N GLN C 580 -67.313 -29.000 21.307 1.00 45.24										
16764 OD1 ASP C 579 -65.534 -31.169 17.008 1.00 45.17 16765 OD2 ASP C 579 -64.283 -29.535 16.416 1.00 47.24 16766 C ASP C 579 -66.323 -29.809 20.941 1.00 45.70 16767 O ASP C 579 -65.476 - 30.234 21.736 1.00 45.40 16768 N GLN C 580 -67.313 -29.000 21.307 1.00 45.21										
16765 OD2 ASP C 579 -64.283 -29.535 16.416 1.00 47.24 16766 C ASP C 579 -66.323 -29.809 20.941 1.00 45.70 16768 N GLN C 580 -67.313 -29.000 21.307 1.00 45.24 16768 N GLN C 580 -67.313 -29.000 21.307 1.00 45.21										
16766 C ASP C 579 -66.323 -29.809 20.941 1.00 45.70 16767 O ASP C 579 -65.476 -30.234 21.736 1.00 45.40 16768 N GLN C 580 -67.313 -29.000 21.307 1.00 45.21										
16767 O ASP C 579 -65.476 -30.234 21.736 1.00 45.44 16768 N GLN C 580 -67.313 -29.000 21.307 1.00 45.21										
16768 N GLN C 580 -67.313 -29.000 21.307 1.00 45.21										
		CA								

FIGURE 3 LQ

A	В	С	D	Е	F		G	H	I	J
16770	CB	GLN	c	580	-68.3	32	-27.324	22.808	1.00	44.58
16771	CG	GLN		580	-67.7		-26.056	22.257	1.00	43.48
16772	CD	GLN		580	-66.5		-25.539	23.095	1.00	43.32
16773	OE1	GLN		580	-66.5		-25.717	24.315	1.00	43.34
16774	NE2	GLN		580	-65.6		-24.888	22.448	1.00	41.53
16775	С	GLN		580	-68.0		-29.721	23.497	1.00	44.86
16776	ō	GLN		580	-67.7		-29.910	24.678	1.00	45.10
16777	N	ILE		581	-68.9		-30.487	22.857	1.00	45.08
16778	CA	ILE	č	581	-69.5		-31.615	23.525	1.00	45.76
16779	CB	ILE		581	-70.7		-32.100	22.722	1.00	45.76
16780	CG1	ILE		581	-71.7		-30.949	22.540	1.00	45.11
16781	CD1	ILE		581	-72.8		-31.243	21.562	1.00	45.04
16782	CG2	ILE		581	-71.4		-33.284	23.420	1.00	45.93
16783	С	ILE		581	-68.5		-32.752	23.785	1.00	46.32
16784	ō	ILE		581	-68.5		-33.288	24.891	1.00	46.68
16785	N	GLU	Ċ	582	-67.7	93	-33.113	22.777	1.00	46.90
16786	CA	GLU		582	-66.7		-34.135	22.964	1.00	47.45
16787	CB	GLU		582	-66.0		-34.455	21.642	1.00	47.64
16788	CG	GLU		582	-66.5		-35.742	20.969	1.00	48.90
16789	CD	GLU		582	-65.9		-36.988	21.616	1.00	49.74
16790	OE1	GLU		582	-64.7		-37.109	21.679	1.00	51.84
16791	OE2	GLU		582	-66.7		-37.855	22.059	1.00	50.95
16792	С	GLU		582	-65.7		-33.663	23.998	1.00	47.32
16793	0	GLU		582	-65.3		-34.426	24.874	1.00	47.48
16794	N	ALA	C	583	-65.3	67	-32.400	23.891	1.00	47.24
16795	CA	ALA		583	-64.4		-31.830	24.835	1.00	47.16
16796	CB	ALA		583	-64.3		-30.327	24.660	1.00	47.11
16797	C	ALA		583	-64.8		-32.181	26.228	1.00	47.26
16798	0	ALA	С	583	-64.1	54	-32.744	27.020	1.00	47.22
16799	N	ALA	С	584	-66.1	55	-31.869	26.516	1.00	47.82
16800	CA	ALA	С	584	-66.7	11	-32.163	27.826	1.00	48.16
16801	CB	ALA	С	584	-68.1	61	-31.743	27.910	1.00	48.18
16802	C	ALA	С	584	-66.5	57	-33.639	28.128	1.00	48.51
16803	0	ALA	С	584	-66.1	42	-33.995	29.225	1.00	48.47
16804	N	ARG	С	585	-66.8	91	-34.491	27.160	1.00	49.12
16805	CA	ARG	С	585	-66.7	24	-35.929	27.336	1.00	50.18
16806	CB	ARG	С	585	-67.0	79	-36.700	26.063	1.00	50.00
16807	CG	ARG	С	585	-68.5	01	-36.548	25.532	1.00	50.05
16808	CD	ARG	С	585	-68.8	84	-37.673	24.566	1.00	50.16
16809	NE	ARG	С	585	-69.6	41	-37.219	23.399	1.00	50.86
16810	CZ	ARG	С	585	-70.9	68	-37.202	23.331	1.00	51.91
16811	NH1	ARG	С	585	-71.6	97	-37.606	24.374	1.00	51.70
16812	NH2	ARG	С	585	-71.5	69	-36.783	22.222	1.00	51.06
16813	C	ARG	С	585	-65.2	63	-36.202	27.657	1.00	50.87
16814	0	ARG	С	585	-64.9	44	-36.843	28.647	1.00	50.99
16815	N	GLN	С	586	-64.3	80	-35.704	26.799	1.00	52.00
16816	CA	GLN	С	586	-62.9	49	-35.898	26.966	1.00	53.14
16817	CB	GLN	С	586	-62.1	72	-35.141	25.885	1.00	53.53
16818	CG	GLN	С	586	-62.1	58	-35.834	24.536	1.00	54.41
16819	CD	GLN	С	586	-61.1	09	-36.929	24.459	1.00	56.50
16820	OE1	GLN	С	586	-61.4	12	-38.104	24.680	1.00	58.23

FIGURE 3 LR

A B C D E F G	H	I	J
16821 NE2 GLN C 586 -59.874 -36.549	24.146	1.00	56.63
16822 C GLN C 586 -62.483 -35.472	28.349	1.00	53.50
16823 O GLN C 586 -61.595 -36.100	28.924	1.00	53.86
16824 N PHE C 587 -63.078 -34.412	28.889	1.00	53.98
	30.228	1.00	54.32
16827 CG PHE C 587 -62.729 -31.495	29.701	1.00	54.30
16828 CD1 PHE C 587 -61.388 -31.477	29.371	1.00	54.33
16829 CE1 PHE C 587 -60.866 -30.469	28.582	1.00	54.45
16830 CZ PHE C 587 -61.689 -29.473	28.113	1.00	54.28
16831 CE2 PHE C 587 -63.035 -29.486	28.426	1.00	54.02
16832 CD2 PHE C 587 -63.548 -30.490	29.219	1.00	53.89
16833 C PHE C 587 -63.160 -34.986	31.259	1.00	54.60
16834 O PHE C 587 -62.455 -35.243	32.232	1.00	54.81
16835 N SER C 588 -64.330 -35.572	31.040	1.00	54.74
16836 CA SER C 588 -64.847 -36.578	31.958	1.00	55.47
16837 CB SER C 588 -66.258 -36.997	31.548	1.00	55.46
16838 OG SER C 588 -67.012 -35.864	31.159	1.00	56.80
16839 C SER C 588 -63.939 -37.810	32.042	1.00	55.46
16840 O SER C 588 -63.824 -38.439	33.090	1.00	55.32
16841 N LYS C 589 -63.288 -38.152	30.939	1.00	55.66
16842 CA LYS C 589 -62.434 -39.334	30.935	1.00	56.05
16843 CB LYS C 589 -62.231 -39.875	29.514	1.00	56.24
16844 CG LYS C 589 -63.528 -40.019	28.709	1.00	57.14
16845 CD LYS C 589 -64.678 -40.529	29.589	1.00	58.46
16846 CE LYS C 589 -66.029 -40.028	29.084	1.00	58.38
16847 NZ LYS C 589 -67.151 -40.300	30.036	1.00	57.94
16848 C LYS C 589 -61.100 -39.042	31.601	1.00	55.88
16849 O LYS C 589 -60.267 -39.929	31.763	1.00	56.10
16850 N MET C 590 -60.904 -37.791	31.996	1.00	55.61
16851 CA MET C 590 -59.666 -37.405	32.649	1.00	55.00
16852 CB MET C 590 -59.411 -35.909	32.499	1.00	55.18
16853 CG MET C 590 -59.012 -35.507	31.093	1.00	56.25
16854 SD MET C 590 -58.735 -33.724	30.931	1.00	57.90
16855 CE MET C 590 -58.014 -33.669	29.300	1.00	57.21
16856 C MET C 590 -59.685 -37.808	34.110	1.00	54.11
16857 O MET C 590 -58.660 -37.740	34.776	1.00	54.39
16858 N GLY C 591 -60.856 -38.192	34.613	1.00	53.15
16859 CA GLY C 591 -60.976 -38.744	35.956	1.00	51.80
16860 C GLY C 591 -61.267 -37.884	37.175	1.00	51.13
16861 O GLY C 591 -61.609 -38.416	38.223	1.00	51.07
16862 N PHE C 592 -61.133 -36.569	37.068	1.00	50.63
16863 CA PHE C 592 -61.378 -35.693	38.218	1.00	49.98
16864 CB PHE C 592 -60.184 -34.765	38.436	1.00	50.10
16865 CG PHE C 592 -59.627 -34.200	37.166	1.00	50.12
16866 CD1 PHE C 592 -58.446 -34.691	36.635	1.00	50.15
16867 CE1 PHE C 592 -57.935 -34.173	35.464	1.00	50.40
16868 CZ PHE C 592 -58.612 -33.154	34.803	1.00	50.89
16869 CE2 PHE C 592 -59.789 -32.664	35.320	1.00	49.57
16870 CD2 PHE C 592 -60.291 -33.187	36.496	1.00	49.76
16871 C PHE C 592 -62.659 -34.867	38.062		49.40

FIGURE 3 LS

	J
16872 O PHE C 592 -62.833 -33.825 38.703 1.00 4	8.85
	8.83
	8.30
	8.35
	8.07
	B.30
	8.19
	B.02
	7.98
	7.68
	7.47
	7.21
	6.89
	5.92
	8.03
	8.06
	B.29
	8.38
	B.96
	1.36
	3.72
	1.67
	7.73
	7.69
	6.77
	6.12
	6.38
	B.36
	2.00
	3.52
	5.00
	5.21
16904 O LYS C 596 -74.524 -33.428 37.026 1.00 4	5.12
16905 N ARG C 597 -72.279 -33.315 37.144 1.00 4	3.57
	2.14
16907 CB ARG C 597 -71.996 -31.471 38.742 1.00 4	2.29
16908 CG ARG C 597 -73.052 -32.015 39.692 1.00 4	3.16
16909 CD ARG C 597 -72.836 -31.675 41.134 1.00 4	4.23
16910 NE ARG C 597 -71.517 -32.101 41.566 1.00 4	6.92
16911 CZ ARG C 597 -70.867 -31.580 42.594 1.00 4	6.35
16912 NH1 ARG C 597 -71.419 -30.606 43.296 1.00 4	7.28
16913 NH2 ARG C 597 -69.663 -32.028 42.915 1.00 4	6.60
16914 C ARG C 597 -71.376 -31.145 36.302 1.00 4	0.92
	0.12
16916 N ILE C 598 -71.746 -31.226 35.028 1.00 3	9.93
16917 CA ILE C 598 -71.036 -30.549 33.961 1.00 3	8.82
16918 CB ILE C 598 -70.729 -31.530 32.836 1.00 3	B.90
16919 CG1 ILE C 598 -69.771 -32.620 33.329 1.00 3	9.16
16920 CD1 ILE C 598 -69.535 -33.711 32.314 1.00 3	9.45
	7.40
16922 C ILE C 598 -71.959 -29.449 33.450 1.00 3	8.43

FIGURE 3 LT

A	В	C	D	Е	F	G	H	I	J
16923	0	TTE	0	598	_72 122	-29.697	33.143	1.00	38.10
16924	N	ALA				-28.232	33.369	1.00	37.43
16925	CA	ALA				-27.108	32.938	1.00	36.53
16926	CB	ALA			-72.361		34.057	1.00	36.78
16927	C	ALA				-26.475	31.721	1.00	35.94
16927	0	ALA				-26.786	31.721	1.00	36.54
						-25.571			
16929	N			600		-24.904	31.107	1.00	34.62
16930	CA	ILE				-24.904	29.893 28.652	1.00	33.64
16931	CB	ILE	С	600					33.18
16932	CG1			600	-71.601		27.388	1.00	33.22
16933	CD1	ILE			-71.251	-24.046	27.210	1.00	34.49
16934	CG2			600		-25.698	28.423	1.00	33.99
16935	C			600		-23.492	29.926	1.00	33.11
16936	0	ILE		600		-23.313	30.307	1.00	33.14
16937	N	TRP				-22.488	29.607	1.00	32.41
16938	CA	TRP				-21.108	29.586	1.00	32.23
16939	CB	TRP				-20.448	30.967	1.00	31.82
16940	CG	TRP		601	-70.841		31.208	1.00	31.38
16941	CD1	TRP		601		-20.050	31.531	1.00	31.05
16942	NE1	TRP		601		-18.994	31.711	1.00	30.87
16943	CE2	TRP		601		-17.825	31.515	1.00	30.19
16944	CD2	TRP			-70.751		31.193	1.00	30.23
16945	CE3	TRP				-17.135	30.935	1.00	
16946	CZ3	TRP		601		-15.813	31.001	1.00	
16947	CH2	TRP		601		-15.510	31.324	1.00	
16948	CZ2	TRP		601		-16.502	31.574	1.00	29.88
16949	С	TRP		601		-20.297	28.590	1.00	31.88
16950	0	TRP		601		-20.543	28.373	1.00	32.27
16951	N	GLY				-19.327	27.988	1.00	31.47
16952	CA	GLY			-71.370		27.045	1.00	31.55
16953	C	GLY		602	-72.167		26.784	1.00	31.15
16954	0	GLY				-17.166	26.989	1.00	31.09
16955	N	TRP			-71.477		26.307	1.00	31.43
16956	CA			603	-72.052	-14.869	25.979	1.00	31.67
16957	CB	TRP				-13.797	26.675	1.00	31.79
16958	CG	TRP		603		-12.459	26.918	1.00	30.21
16959	CD1	TRP		603		-11.632	26.003	1.00	28.51
16960	NE1	TRP		603		-10.476	26.615		27.71
16961	CE2	TRP		603	-72.554		27.951	1.00	
16962	CD2	TRP		603	-71.903	-11.776	28.176		29.70
16963	CE3	TRP		603		-12.086	29.477	1.00	28.49
16964	CZ3	TRP		603		-11.176	30.487	1.00	30.03
16965	CH2	TRP			-72.354	-9.945	30.222	1.00	30.46
16966	CZ2	TRP			-72.780	-9.617	28.968	1.00	
16967	С	TRP		603	-71.935	-14.679	24.472	1.00	32.12
16968	0	TRP		603	-70.895		23.900	1.00	32.12
16969	N	SER		604	-72.992	-14.178	23.833	1.00	32.82
16970	CA	SER		604	-72.987		22.388	1.00	33.24
16971	CB			604	-71.887		22.049	1.00	33.52
16972	OG	SER		604		-12.037	20.949	1.00	35.24
16973	C	SER	С	604	-72.857	-15.162	21.550	1.00	33.18

FIGURE 3 LU

A	В	C	D	E	F	G	H	1	J
16974	0	CED	0	604	72 720	-16.037	21.600	1.00	33.25
16975	N	TYR				-15.276	20.773	1.00	33.40
16976	CA	TYR				-16.501	20.775	1.00	33.41
16977	CB	TYR				-16.454	19.221		33.56
						-17.447		1.00	33.91
16978 16979	CG CD1	TYR		605 605		-17.028	18.081 16.768	1.00	33.65
16980	CE1	TYR				-17.028	15.725	1.00	34.31
16981	CZ	TYR		605		-17.937	15.725	1.00	34.31
16982	OH	TYR		605		-20.178	14.925	1.00	34.05
16983	CE2	TYR				-19.734	17.273	1.00	33.84
16984	CD2	TYR				-18.815	18.320	1.00	35.11
16985	CDZ			605		-17.643	21.010	1.00	33.18
16986	0	TYR			-71.911	-18.761	20.717	1.00	33.10
16987	N	GLY		606		-17.357	22.202	1.00	33.02
16988	CA	GLY				-18.367	23.243	1.00	32.79
16989	C	GLY				-18.701	23.802	1.00	32.74
16990	Ö	GLY				-19.787	24.353	1.00	32.74
16991	N	GLY		607		-17.762	23.694	1.00	32.42
16992	CA	GLY		607	-74.621	-18.026	24.128	1.00	32.80
16993	C	GLY		607	-75.277		23.101	1.00	32.99
16994	o	GLY				-19.860	23.424	1.00	33.21
16995	N	TYR				-18.647	21.846	1.00	32.78
16996	CA	TYR				-19.452	20.749	1.00	33.55
16997	CB	TYR				-18.856	19.422	1.00	33.33
16998	CG	TYR			-75.255	-19.701	18.208	1.00	34.41
16999	CD1	TYR		608		-20.272	17.489	1.00	34.39
17000	CE1	TYR				-21.028	16.378	1.00	33.71
17001	CZ	TYR				-21.227	15.968	1.00	33.92
17002	OH	TYR			-75.965	-21.986	14.845	1.00	35.42
17003	CE2	TYR			-76.795	-20.671	16.658	1.00	34.18
17004	CD2	TYR			-76.550	-19.908	17.760	1.00	34.86
17005	C	TYR				-20.891	20.934	1.00	33.89
17006	0	TYR				-21.819	21.019	1.00	33.91
17007	N	VAL				-21.071	21.027	1.00	34.10
17008	CA	VAL				-22.418	21.168	1.00	34.52
17009	CB	VAL		609		-22.410	21.147	1.00	34.97
17010	CG1	VAL		609		-23.796	21.469	1.00	35.13
17011	CG2	VAL		609		-21.918	19.800	1.00	34.79
17012	С	VAL			-73.617	-23.106	22.413	1.00	34.10
17013	ō	VAL			-73.993	-24.264	22.359	1.00	34.11
17014	N	THR			-73.687	-22.384	23.529	1.00	34.16
17015	CA	THR			-74.262	-22.954	24.750	1.00	33.60
17016	CB	THR				-21.878	25.846	1.00	33.65
17017	OG1	THR				-21.568	26.398	1.00	34.10
17018	CG2	THR				-22.406	27.037	1.00	32.30
17019	С			610	-75.630	-23.516	24.449	1.00	33.87
17020	0	THR		610	-75.936	-24.666	24.768	1.00	34.43
17021	N	SER	С	611	-76.465	-22.697	23.824	1.00	34.11
17022	CA	SER	С	611	-77.837	-23.092	23.552	1.00	34.11
17023	CB	SER	С	611	-78.598	-21.929	22.920	1.00	34.29
17024	OG	SER	С	611	-78.484	-20.766	23.711	1.00	33.66

FIGURE 3 LV

A	В	С	D	Е	F	G	H	I	J
17025	С	SER	С	611	-77.886	-24.281	22.618	1.00	34.42
17026	0	SER	С	611		-25.198	22.797	1.00	34.17
17027	N	MET				-24.250	21.605	1.00	35.04
17028	CA	MET		612	-76.975		20.630	1.00	35.38
17029	CB	MET				-24.947	19.480	1.00	35.10
17030	CG	MET	С	612		-23.795	18.669	1.00	33.97
17031	SD		С	612		-24.240	17.800	1.00	35.94
17032	CE	MET	С	612	-77.390		16.334	1.00	32.83
17033	С	MET	С	612	-76.530		21.329	1.00	36.08
17034	0	MET		612	-77.085		21.082	1.00	36.72
17035	N	VAL		613	-75.557		22.227	1.00	35.96
17036	CA	VAL		613	-75.130		22.978	1.00	36.62
17037 17038	CB CG1	VAL		613	-73.917	-27.375	23.899	1.00	36.20
17038	CG2	VAL			-72.683		23.082	1.00	35.75
17040	C	VAL		613		-28.136	23.813	1.00	37.29
17041	Ö	VAL				-29.276	23.719	1.00	38.04
17042	N	LEU		614	-76.851		24.618	1.00	38.36
17043	CA	LEU				-27.571	25.484	1.00	39.09
17044	CB	LEU		614	-78.514		26.166	1.00	38.88
17045	CG	LEU		614	-77.630		27.322	1.00	38.68
17046	CD1	LEU			-77.362		28.172	1.00	38.39
17047	CD2	LEU		614	-78.308		28.134	1.00	36.78
17048	С	LEU	С	614	-79.110	-28.255	24.753	1.00	39.45
17049	0	LEU	С	614	-79.832	-29.048	25.338	1.00	39.17
17050	N	GLY	С	615	-79.272	-27.932	23.473	1.00	40.51
17051	CA	GLY		615	-80.341		22.676	1.00	40.87
17052	С	GLY		615	-79.888		21.795	1.00	41.58
17053	0	GLY		615		-30.168	20.986	1.00	41.90
17054	N	SER		616	-78.630		21.951	1.00	41.72
17055	CA	SER		616		-31.152	21.151	1.00	41.97
17056	CB			616	-76.561		21.314	1.00	41.68
17057	OG			616	-76.249		22.616	1.00	42.65
17058	C			616		-32.532	21.495	1.00	42.07
17059	0			616	-78.662		20.646	1.00	42.08
17060 17061	N CA	GLY GLY		617 617	-79.062	-32.719	22.740	1.00	42.26
17061	CA	GLY		617	-78.494		23.173	1.00	42.25
17062	Ö	GLY		617	-78.714		23.901	1.00	42.33
17064	N			618	-77.296		23.739	1.00	42.64
17065	CA	SER		618		-35.111	24.076	1.00	42.59
17066	CB			618	-74.862		23.969	1.00	42.56
17067	OG			618	-74.743		25.112	1.00	43.35
17068	C	SER		618	-76.138		25.451	1.00	42.60
17069	0			618	-75.524		25.642	1.00	42.76
17070	N	GLY		619		-35.152	26.413	1.00	42.31
17071	CA	GLY	С	619	-76.921		27.759	1.00	41.39
17072	C	GLY		619	-75.720		28.646	1.00	41.22
17073	0	GLY		619	-75.721		29.839	1.00	41.55
17074	N	VAL		620		-34.822	28.069	1.00	40.74
17075	CA	VAL	С	620	-73.464	-34.522	28.799	1.00	39.86

FIGURE 3 LW

A	В	C	D	E	F	G	H	1	J
17076	СВ	VAL	0	620	72 200	-34.083	27.811	1.00	39.67
17077	CG1	VAL				-34.063	28.537	1.00	39.38
17078	CG2	VAL				-35.168	26.779	1.00	39.20
17079	C	VAL				-33.100	29.820	1.00	39.20
17080	0	VAL				-33.439	30.932	1.00	39.36
17081	N	PHE			-74.372		29.423	1.00	39.77
17082	CA	PHE	С	621	-74.543		30.259	1.00	39.49
17083	CB	PHE	С	621	-74.423		29.394	1.00	39.71
17084	CG	PHE	С	621	-73.097		28.685	1.00	39.12
17085	CD1	PHE		621	-72.905		27.454	1.00	39.23
17086	CE1	PHE	С		-71.685		26.803	1.00	38.37
17087	CZ	PHE	С			-29.655	27.380	1.00	37.67
17088	CE2			621	-70.838		28.612	1.00	37.11
17089	CD2	PHE	С	621	-72.043		29.257	1.00	36.87
17090	C	PHE	С	621	-75.856		31.018	1.00	39.47
17091	0	PHE		621		-31.674	30.521	1.00	39.87
17092	N	LYS	С	622	-75.803		32.250	1.00	39.38
17093	CA	LYS	С	622	-76.977		33.086	1.00	39.26
17094	CB	LYS	С	622	-76.521		34.490	1.00	39.00
17095	CG	LYS		622	-77.546		35.594	1.00	39.56
17096	CD	LYS			-76.865		36.951	1.00	40.55
17097	CE	LYS				-31.472	38.067	1.00	41.54
17098	NZ	LYS			-78.564		38.587	1.00	43.09
17099	C	LYS		622	-77.480		33.136	1.00	38.96
17100	0	LYS		622	-78.568		33.632	1.00	38.86
17101	N	CYS	С	623	-76.704		32.527	1.00	38.77
17102	CA	CYS		623	-76.767		32.913	1.00	38.86
17103	CB	CYS		623		-27.102	34.099	1.00	40.12
17104	SG	CYS	С	623	-76.401		35.452	1.00	43.70
17105	С	CYS		623	-76.116		31.958	1.00	37.46
17106	0	CYS		623	-75.035		31.446	1.00	37.36
17107	N	GLY			-76.702		31.806	1.00	36.02
17108	CA	GLY		624		-24.025	30.953	1.00	34.25
17109	C	GLY		624	-76.740		31.009	1.00	32.76
17110	0	GLY			-77.937		31.265	1.00	32.76
17111	N	ILE	С	625	-75.916		30.757	1.00	31.31
17112	CA	ILE	С	625		-20.271	30.753	1.00	29.91
17113	CB	ILE	С	625		-19.477	31.867	1.00	29.76
17114	CG1	ILE	С	625		-20.154	33.218	1.00	29.14
17115	CD1			625	-75.396		34.398	1.00	30.29
17116	CG2	ILE	С	625		-18.033	31.844	1.00	27.52
17117	C	ILE	С	625	-75.992		29.444	1.00	29.26
17118	0			625	-74.817		29.087	1.00	29.27
17119	N	ALA			-76.998		28.731	1.00	
17120	CA	ALA			-76.773		27.509		28.34
17121	CB	ALA			-77.692		26.379	1.00	27.97
17122	C	ALA		626	-77.034		27.804	1.00	28.30
17123	0	ALA		626	-78.106		28.293	1.00	28.46
17124	N	VAL		627	-76.042		27.527		28.44
17125	CA	VAL	С	627	-76.198	-14.657	27.699	1.00	28.35
17126	CB	VAL	С	627	-75.099	-14.081	28.587	1.00	28.72

FIGURE 3 LX

A	В	С	D	E	F	G	H	I	J
17127	CG1	VAL			-75.289		28.744		27.70
17128	CG2	VAL				-14.806	29.950		28.15
17129	С	VAL			-76.095		26.331		28.29
17130	0	VAL			-75.111		25.614		28.29
17131	N	ALA			-77.119		25.974	1.00	
17132	CA	ALA			-77.144		24.713		26.74
17133	CB	ALA			-76.253		24.813		26.49
17134	С	ALA			-76.772		23.510	1.00	
17135	0	ALA			-75.975		22.674		25.93
17136	N			629	-77.404		23.400		26.54
17137	CA			629	-77.091	-15.421	22.347		26.91
17138	CB			629	-77.784		22.874		26.98
17139	CG			629	-79.035	-16.108	23.393		25.93
17140	CD			629		-14.985	24.256	1.00	
17141	C	PRO	С	629	-77.716		21.005	1.00	
17142	0	PRO	С	629	-78.839	-14.531	20.928	1.00	27.00
17143	N	VAL			-76.982		19.941		28.10
17144	CA	VAL	С	630	-77.574	-15.331	18.630		28.32
17145	CB	VAL		630	-76.514		17.535	1.00	
17146	CG1	VAL	С	630	-77.167	-15.871	16.205	1.00	27.63
17147	CG2	VAL	С	630	-75.705	-14.228	17.378	1.00	27.55
17148	C	VAL	С	630	-78.424	-16.600	18.698	1.00	28.99
17149	0	VAL	С	630	-78.030	-17.549	19.367	1.00	29.78
17150	N	SER	С	631	-79.584		18.055	1.00	
17151	CA	SER	С	631	-80.460	-17.785	18.043	1.00	29.82
17152	CB	SER	С	631	-81.768	-17.481	18.752	1.00	29.67
17153	OG	SER	С	631	-82.450	-16.468	18.067	1.00	28.41
17154	С	SER	С	631	-80.762	-18.255	16.620	1.00	30.66
17155	0	SER	С	631	-81.152	-19.396	16.413	1.00	30.31
17156	N	ARG	С	632	-80.625	-17.353	15.651	1.00	31.60
17157	CA	ARG	С	632	-80.727	-17.726	14.252	1.00	33.04
17158	CB	ARG	С	632	-82.170	-17.890	13.790	1.00	33.95
17159	CG	ARG	С	632	-82.839	-16.622	13.450	1.00	35.70
17160	CD	ARG	С	632	-83.911	-16.736	12.385	1.00	40.20
17161	NE	ARG	С	632	-84.374	-18.089	12.152	1.00	42.40
17162	CZ	ARG	С	632	-85.235	-18.397	11.185	1.00	45.70
17163	NH1	ARG	С	632	-85.622	-19.658	11.002	1.00	43.76
17164	NH2	ARG	С	632	-85.718	-17.430	10.397	1.00	45.81
17165	С	ARG	С	632	-79.981	-16.692	13.426	1.00	33.22
17166	0	ARG	С	632	-80.112	-15.485	13.638	1.00	33.56
17167	N	TRP	С	633	-79.195	-17.166	12.472	1.00	33.29
17168	CA	TRP	С	633	-78.300	-16.276	11.763	1.00	33.58
17169	CB	TRP	С	633	-77.226	-17.071	11.000	1.00	33.49
17170	CG	TRP			-76.340		12.012	1.00	
17171	CD1	TRP			-76.351		12.398	1.00	33.15
17172	NE1	TRP		633	-75.434	-19.231	13.400	1.00	34.18
17173	CE2	TRP		633	-74.813		13.679	1.00	33.45
17174	CD2	TRP		633	-75.374		12.840	1.00	33.32
17175	CE3	TRP		633	-74.910		12.937	1.00	34.06
17176	CZ3	TRP		633	-73.930		13.850	1.00	33.46
17177	CH2	TRP	С	633	-73.388	-16.446	14.668		34.25

FIGURE 3 LY

A	В	С	D	E	F	G	H	I	J
17178	CZ2	TRP	0	622	_72 010	-17.741	14.599	1.00	33.75
17179	C	TRP				-15.144	10.967	1.00	33.52
17180	0			633		-14.102	10.782	1.00	34.23
17181	N	GLU				-15.324	10.782	1.00	33.78
17182		GLU			-80.180		9.806	1.00	34.16
	CA								
17183	CB	GLU			-82.202		9.255	1.00	34.07
17184	CG	GLU		634		-15.639	8.054	1.00	36.42
17185	CD	GLU		634		-17.078	8.414	1.00	39.31
17186	OE1	GLU		634		-17.642	7.807	1.00	38.59
17187	OE2	GLU				-17.627	9.322	1.00	40.88
17188	С	GLU			-81.081		10.671	1.00	33.84
17189	0	GLU				-11.922	10.151	1.00	33.64
17190	N	TYR				-13.163	11.989	1.00	32.97
17191	CA	TYR				-12.039	12.867	1.00	32.19
17192	CB	TYR			-81.641		14.252	1.00	32.26
17193	CG	TYR				-13.267	14.341	1.00	31.06
17194	CD1	TYR				-13.015	13.451	1.00	31.62
17195	CE1	TYR	С	635	-85.217	-13.688	13.555	1.00	30.68
17196	CZ			635		-14.602	14.550	1.00	28.71
17197	OH	TYR	С	635	-86.559	-15.277	14.674	1.00	29.34
17198	CE2	TYR	С	635	-84.385	-14.845	15.446	1.00	30.12
17199	CD2	TYR	С	635	-83.183	-14.187	15.334	1.00	28.26
17200	C	TYR	С	635	-80.014	-11.184	13.045	1.00	32.11
17201	0	TYR	С	635	-80.118	-10.059	13.495	1.00	32.11
17202	N	TYR	С	636	-78.849	-11.725	12.718	1.00	31.77
17203	CA	TYR	С	636	-77.602	-11.031	13.008	1.00	32.19
17204	CB	TYR	С	636	-76.530	-12.012	13.549	1.00	31.98
17205	CG	TYR	С	636	-75.428	-11.293	14.289	1.00	31.71
17206	CD1	TYR			-75.727		15.340	1.00	30.05
17207	CE1	TYR			-74.741	-9.739	15.991	1.00	28.81
17208	CZ			636	-73.434	-9.888	15.598	1.00	27.74
17209	OH	TYR			-72.454	-9.194	16.241	1.00	25.92
17210	CE2	TYR			-73.104		14.556	1.00	28.79
17211	CD2	TYR			-74.096		13.904	1.00	30.86
17212	C	TYR			-77.117		11.827	1.00	32.70
17213	ō	TYR		636	-77.584		10.700	1.00	32.60
17214	N	ASP		637	-76.191	-9.288	12.094	1.00	34.23
17215	CA	ASP		637	-75.706	-8.349	11.081	1.00	34.69
17216	CB	ASP		637	-74.807	-7.272	11.686	1.00	34.90
17217	CG	ASP		637	-73.408	-7.769	12.010	1.00	36.72
17218	OD1	ASP		637	-72.629	-8.121	11.087	1.00	37.39
17219	OD2	ASP		637	-72.977	-7.786	13.182	1.00	39.27
17220	C	ASP			-75.029	-9.002	9.887	1.00	35.51
17221	0	ASP			-74.316	-10.016	10.011	1.00	35.91
17222	N			638	-75.250	-8.378	8.735	1.00	35.24
17223	CA	SER			-74.774	-8.863	7.445	1.00	35.54
17223	CB	SER		638	-75.170	-7.854	6.358	1.00	35.16
17224	OG	SER		638	-74.367	-6.697	6.489	1.00	33.95
17225	C			638	-73.271	-9.144	7.346	1.00	35.66
17227	0	SER		638	-72.873		7.023	1.00	35.12
17228	N	VAL			-72.873 -72.444	-8.137	7.597	1.00	36.79
11228	IN	vAL	C	039	-/2.444	-0.13/	1.591	1.00	30.79

FIGURE 3 LZ

A	В	C	D	E	F	G	H	I	J
17229	CA	VAL	c	639	-71.006	-8.313	7.433	1.00	37.50
17230	CB	VAL			-70.204		7.587	1.00	37.62
17231	CG1	VAL			-68.771		7.990	1.00	36.07
17232	CG2	VAL			-70.860		8.554	1.00	37.50
17233	C	VAL			-70.442		8.249	1.00	38.49
17234	0	VAL			-69.700		7.712	1.00	39.33
17235	N	TYR			-70.821		9.516	1.00	39.06
17236	CA	TYR			-70.324		10.327	1.00	39.24
17237	CB	TYR			-70.677		11.794	1.00	39.23
17238	CG	TYR			-70.104		12.689	1.00	39.59
17239	CD1	TYR			-68.868		13.299	1.00	40.35
17240	CE1	TYR			-68.331		14.123	1.00	40.39
17241	CZ			640	-69.035		14.354	1.00	40.21
17242	OH			640	-68.490		15.188	1.00	40.53
17243	CE2	TYR			-70.270		13.767	1.00	38.88
17244	CD2	TYR	Ċ	640	-70.798	-12.792	12.937	1.00	39.33
17245	C			640		-12.022	9.879	1.00	39.48
17246	ō	TYR			-70.180		9.674	1.00	39.99
17247	N	THR				-12.057	9.744	1.00	39.54
17248	CA	THR			-72.906	-13.295	9.404	1.00	39.60
17249	CB	THR	С	641	-74.422		9.439	1.00	39.84
17250	OG1	THR	С	641	-74.832		10.759	1.00	38.30
17251	CG2	THR			-75.174	-14.412	9.166	1.00	39.08
17252	С	THR			-72.481		8.054	1.00	40.26
17253	0	THR	С	641	-71.993	-15.020	7.999	1.00	40.38
17254	N	GLU	С	642	-72.670	-13.137	6.979	1.00	40.73
17255	CA	GLU	С	642	-72.374	-13.600	5.620	1.00	41.55
17256	CB	GLU	С	642	-72.769	-12.504	4.629	1.00	41.64
17257	CG	GLU	С	642	-74.212	-12.058	4.818	1.00	41.31
17258	CD	GLU	С	642	-74.503	-10.705	4.223	1.00	40.79
17259	OE1	GLU	С	642	-73.554	-10.053	3.752	1.00	41.89
17260	OE2	GLU	С	642	-75.684	-10.290	4.239	1.00	40.01
17261	C	GLU	С	642	-70.919	-14.050	5.413	1.00	42.17
17262	0	GLU	С	642	-70.633	-15.006	4.685	1.00	42.48
17263	N	ARG		643		-13.348	6.066	1.00	42.70
17264	CA	ARG	С	643	-68.597		6.064	1.00	42.56
17265	CB	ARG	С	643	-67.893		7.199	1.00	42.28
17266	CG	ARG			-66.442		7.370	1.00	41.76
17267	CD	ARG			-65.778		8.516	1.00	41.43
17268	NE	ARG		643	-66.051		8.492	1.00	40.24
17269	CZ	ARG		643	-66.102		9.574	1.00	39.75
17270		ARG			-66.364		9.452	1.00	37.41
17271	NH2	ARG			-65.892		10.779	1.00	37.15
17272	С	ARG			-68.405		6.265	1.00	42.95
17273	0	ARG			-67.512		5.658	1.00	43.32
17274	N	TYR				-15.776	7.126	1.00	42.77
17275	CA	TYR			-69.121		7.412	1.00	43.05
17276	CB	TYR		644	-69.031		8.925	1.00	42.61
17277	CG	TYR			-68.128		9.650	1.00	41.89
17278	CD1	TYR				-16.402	9.312	1.00	41.82
17279	CE1	TYR	С	644	-65.960	-15.529	9.962	1.00	40.56

FIGURE 3 MA

A	В	C	D	E	1	?	G	Н	I	J
17280	CZ	TYR	c	644	-66.4	162	-14.748	10.966	1.00	40.93
17281	OH	TYR					-13.869	11.616	1.00	42.11
17282	CE2	TYR					-14.825	11.319	1.00	41.34
17283	CD2	TYR			-68.6		-15.699	10.661	1.00	41.55
17284	C	TYR			-70.2		-18.009	6.892	1.00	43.28
17285	0	TYR					-19.233	6.856	1.00	43.75
17286	N	MET	č		-71.3		-17.351	6.502	1.00	43.62
17287	CA	MET	č	645	-72.5		-18.125	6.152	1.00	44.32
17288	CB	MET	č	645	-73.6		-17.847	7.158	1.00	44.38
17289	CG	MET	č	645	-73.4		-18.442	8.534	1.00	43.62
17290	SD	MET	c	645	-74.		-20.120	8.619	1.00	44.50
17291	CE	MET	c	645	-75.8		-19.820	8.342	1.00	41.22
17292	C	MET		645	-73.0		-17.907	4.740	1.00	44.74
17293	0	MET	C		-73.9		-18.633	4.294	1.00	44.86
17294	N	GLY		646	-72.		-16.926	4.036	1.00	45.12
17295	CA	GLY		646	-73.0		-16.599	2.721	1.00	46.52
17296	C	GLY		646			-15.956	2.893	1.00	47.23
17297	Ö	GLY		646	-74.		-15.437	3.965	1.00	47.68
17298	N	LEU		647	-75.2		-15.992	1.865	1.00	47.94
17299	CA	LEU		647	-76.5		-15.359	1.976	1.00	48.69
17300	CB	LEU		647	-76.9		-14.568	0.710	1.00	48.71
17301	CG	LEU		647	-75.8		-13.625	0.133	1.00	49.78
17301	CD1	LEU			-75.		-12.544	1.152	1.00	50.66
17302	CD2	LEU		647	-74.6		-14.387	-0.374	1.00	50.76
17303	C	LEU		647	-77.6		-16.343	2.294	1.00	48.89
17305	0	LEU		647			-17.510	1.932	1.00	48.43
17306	N	PRO		648			-15.845	2.976	1.00	49.42
17307	CA	PRO		648	-79.8		-16.644	3.332	1.00	50.21
17308	CB	PRO		648	-80.5		-15.814	4.434	1.00	49.80
17309	CG	PRO		648	-79.6		-14.702	4.706	1.00	49.54
17310	CD	PRO		648	-78.8		-14.467	3.470	1.00	49.59
17311	C			648			-16.811	2.169	1.00	50.95
17312	o			648	-82.0		-16.998	2.424	1.00	51.46
17313	N	THR			-80.4		-16.718	0.926	1.00	51.64
17314	CA	THR		649	-81.2		-16.987	-0.222		52.36
17315	CB	THR		649	-80.8		-16.118	-1.421	1.00	52.18
17316	OG1	THR					-16.663	-2.043	1.00	53.23
17317	CG2	THR		649	-80.4		-14.743	-0.972	1.00	52.56
17318	C	THR			-81.		-18.449	-0.617	1.00	52.58
17319	0	THR		649	-80.0		-19.058	-0.375	1.00	52.70
17320	N	PRO		650	-82.3		-19.005	-1.228	1.00	53.12
17321	CA			650	-82.		-20.401	-1.683	1.00	53.38
17322	CB	PRO		650	-83.4		-20.500	-2.457	1.00	53.46
17323	CG	PRO			-84.3			-1.820	1.00	52.99
17324	CD	PRO		650	-83.4		-18.338	-1.503	1.00	53.43
17325	C	PRO		650	-81.0		-20.780	-2.603	1.00	53.75
17326	Ö	PRO		650	-80.5		-21.925	-2.594	1.00	53.62
17327	N	GLU		651			-19.829	-3.388	1.00	53.94
17328	CA	GLU		651	-79.		-20.122	-4.312	1.00	54.28
17329	CB	GLU		651			-19.166	-5.506		54.69
17330	CG	GLU					-17.767	-5.166		56.36
1/330	CG	GHO	_	001	-/9.	704	11.101	3.100	1.00	50.50

FIGURE 3 MB

A	В	С	D	Е	F	(3	H	I	J
17331	CD	GLU	С	651	-81.49	9 -17.6	598	-5.036	1.00	58.57
17332	OE1	GLU		651	-82.02			-4.646		59.40
17333	OE2	GLU		651	-82.16			-5.335		59.57
17334	C	GLU		651	-78.06			-3.636	1.00	54.06
17335	0	GLU		651	-77.03			-4.276		54.13
17336	N	ASP		652	-78.03			-2.347	1.00	53.63
17337	CA	ASP		652	-76.76			-1.626	1.00	53.20
17338	CB	ASP		652	-76.39			-1.180	1.00	53.09
17339	CG	ASP		652	-74.96			-0.671	1.00	53.49
17340		ASP		652	-74.40			-0.630	1.00	52.38
17341	OD2	ASP		652	-74.30			-0.287	1.00	55.11
17342	C	ASP		652	-76.76			-0.459		52.74
17342	0			652	-76.53			-0.650		52.89
17344	N	ASN			-77.05			0.740	1.00	52.38
17345	CA	ASN		653	-76.95			1.947		51.91
17346	CB	ASN		653	-75.73			2.746		51.79
17347	CG	ASN		653	-75.16			3.633	1.00	
17347		ASN		653	-75.29			3.345	1.00	50.92
17349	ND2	ASN		653	-74.51			4.722	1.00	51.55
17350	C	ASN		653	-78.19			2.858	1.00	51.68
17351	0	ASN		653	-78.13			3.974	1.00	51.25
17352	N	LEU		654	-79.32			2.381		51.80
17353	CA			654	-80.55			3.188	1.00	51.68
17354	CB	LEU		654	-81.76			2.332	1.00	51.72
17355	CG	LEU		654	-83.10			3.052		51.87
17356	CD1	LEU		654	-84.13			2.120	1.00	51.14
17357	CD2	LEU		654	-82.94			4.314	1.00	50.32
17358	C	LEU		654	-80.85			3.965	1.00	51.39
17359	Ö	LEU		654	-81.30			5.104	1.00	51.54
17360	N	ASP		655	-80.59			3.355	1.00	51.05
17361	CA	ASP		655	-80.87			3.998	1.00	50.87
17362	CB			655	-80.57			3.053		51.10
17363	CG			655	-81.76			2.161	1.00	52.25
17364	OD1	ASP		655	-82.46			1.761	1.00	52.48
17365		ASP		655	-82.05			1.827		53.32
17366	C	ASP		655	-80.14			5.319	1.00	50.12
17367	Ö	ASP		655	-80.72			6.279	1.00	50.29
17368	N	HIS		656	-78.88			5.384	1.00	49.10
17369	CA	HIS	č	656	-78.20			6.657	1.00	48.21
17370	CB	HIS		656	-76.69			6.535	1.00	47.87
17371	CG	HIS	c	656	-76.06			7.844	1.00	48.13
17372	ND1	HIS			-76.31			8.519	1.00	48.39
17373	CE1	HIS		656	-75.66			9.671	1.00	48.27
17374	NE2	HIS		656	-75.00			9.774	1.00	48.51
17375	CD2	HIS		656	-75.26			8.653		48.48
17376	CD2	HIS	c	656	-78.57			7.647	1.00	47.37
17377	Ö	HIS			-78.60			8.852	1.00	46.92
17378	N	TYR		657	-78.83			7.122	1.00	46.50
17379	CA	TYR		657	-79.30			7.939	1.00	45.81
17380	CB	TYR			-79.81			7.067		45.25
17381	CG			657	-78.84			6.805		43.24
1,001	-0	111/	-	001	/0.04	, 10.0	,,,,	0.005	1.00	13.29

FIGURE 3 MC

A	В	С	D	Е	F	G	H	I	J
17382	CD1	TYR	c	657	-78.766	-17.443	7.660	1.00	41.96
17383	CE1	TYR				-16.411	7.404	1.00	39.72
17384	CZ			657		-16.464	6.282	1.00	40.47
17385	OH	TYR				-15.455	5.988	1.00	41.83
17386	CE2	TYR			-77.187		5.425		40.94
17387	CD2	TYR				-18.550	5.685	1.00	40.78
17388	C	TYR				-21.254	8.748	1.00	45.87
17389	ŏ	TYR		657	-80.565	-20.961	9.930	1.00	46.43
17390	N	ARG		658	-81.356	-21.994	8.094	1.00	45.67
17391	CA	ARG		658	-82.578	-22.486	8.710	1.00	45.95
17392	CB	ARG			-83.594	-22.896	7.631	1.00	46.28
17393	CG	ARG			-84.217	-21.740	6.844	1.00	49.14
17394	CD	ARG			-85.595	-22.064	6.211	1.00	53.51
17395	NE	ARG			-85.507		5.154	1.00	56.60
17396	CZ	ARG		658	-86.363		4.136	1.00	57.79
17397	NH1	ARG		658	-87.397		4.020	1.00	56.87
17398		ARG		658	-86.183		3.232	1.00	57.59
17399	C	ARG		658	-82.364		9.627	1.00	45.54
17400	Ö	ARG		658	-83.191	-23.934	10.508	1.00	45.95
17401	N	ASN		659	-81.275	-24.411	9.417	1.00	44.74
17402	CA	ASN		659	-81.036	-25.635	10.176	1.00	44.08
17403	CB	ASN			-80.447	-26.724	9.272	1.00	44.64
17404	CG	ASN			-81.224	-28.033	9.352	1.00	46.95
17405	OD1	ASN			-82.133	-28.278	8.542	1.00	49.62
17406		ASN		659	-80.877		10.327		47.89
17407	C	ASN		659	-80.141	-25.434	11.382	1.00	42.91
17408	0	ASN		659	-79.922	-26.354	12.171	1.00	42.51
17409	N	SER		660	-79.623		11.534	1.00	41.70
17410	CA	SER				-23.962	12.648	1.00	40.66
17411	CB	SER		660	-77.410	-23.428	12.128	1.00	40.52
17412	OG	SER		660	-77.629	-22.383	11.198	1.00	40.66
17413	C			660	-79.327	-23.003	13.685	1.00	40.04
17414	0	SER			-78.578	-22.306	14.360	1.00	39.96
17415	N	THR			-80.655	-22.943	13.797	1.00	39.09
17416	CA	THR				-22.085	14.811	1.00	38.03
17417	CB	THR		661	-82.651	-21.556	14.384	1.00	37.96
17418	OG1	THR		661	-83.595	-22.625	14.403	1.00	36.52
17419	CG2	THR		661	-82.645	-21.050	12.935	1.00	37.45
17420	C	THR			-81.429		16.071	1.00	37.79
17421	Ö	THR			-81.553	-24.124	16.002	1.00	37.47
17422	И	VAL		662	-81.454	-22.238	17.223	1.00	37.13
17423	CA	VAL				-22.236	18.462	1.00	36.62
17424	CB	VAL		662	-80.973		19.710	1.00	36.83
17425	CG1	VAL		662	-79.942	-21.246	19.294	1.00	34.84
17425	CG2	VAL		662	-82.033		20.611	1.00	35.45
17427	C	VAL		662	-83.070	-23.278	18.691	1.00	36.93
17427	0	VAL		662		-23.278	19.310	1.00	37.33
17428	N	MET		663		-24.280	18.186	1.00	36.78
17429	CA	MET	c	663		-22.405	18.354	1.00	36.89
17430	CB	MET				-22.594	17.547	1.00	36.76
17431	CG	MET		663		-21.560			35.06
1/432	CG	PIET	U	003	-80.341	-20.212	18.227	1.00	35.06

FIGURE 3 MD

A	В	С	D	E	1	?	G	H	I	J
17433	SD	MET	c	663	-84	246	-19.194	18.177	1.00	35.84
17434	CE		c	663	-84.		-18.696	16.489	1.00	33.06
17435	C	MET			-85.		-23.991	17.901	1.00	37.82
17436	0	MET		663	-86.5		-24.653	18.542	1.00	37.81
17437	N	SER		664	-85.3		-24.434	16.785	1.00	38.23
17438	CA	SER		664	-85.4		-25.742	16.245	1.00	38.98
17439	CB	SER		664			-25.914	14.823	1.00	39.11
17440	OG	SER		664	-83.6		-26.398	14.846	1.00	40.80
17441	c	SER		664	-85.0		-26.867	17.174	1.00	39.18
17442	ŏ	SER		664	-85.4		-28.007	17.063	1.00	39.51
17443	N	ARG		665	-84.		-26.553	18.114	1.00	39.11
17444	CA	ARG			-83.		-27.572	19.072	1.00	39.15
17445	CB	ARG			-82.2		-27.470	19.368	1.00	39.15
17446	CG	ARG			-81.3		-27.778	18.183	1.00	40.16
17447	CD	ARG		665	-79.5		-27.302	18.347	1.00	41.92
17448	NE	ARG		665			-27.770	17.256	1.00	44.94
17449	CZ	ARG		665	-77.9		-28.514	17.413	1.00	46.14
17450		ARG		665	-77.6		-28.882	18.631	1.00	44.85
17451	NH2	ARG		665	-77.2		-28.891	16.346	1.00	47.15
17452	C	ARG		665	-84.			20.382	1.00	38.90
17453	Ö	ARG		665	-84.		-28.159	21.351	1.00	38.81
17454	N	ALA					-26.791	20.390	1.00	38.39
17455	CA	ALA			-86.4		-26.563	21.611	1.00	38.76
17456	CB	ALA			-87.6		-25.746	21.305	1.00	38.34
17457	CD	ALA		666	-86.		-27.789	22.453	1.00	39.08
17458	0	ALA		666	-86.4		-27.836	23.641	1.00	38.98
17459	N	GLU		667	-87.4		-28.760	21.836	1.00	39.50
17460	CA	GLU		667			-29.976	22.514	1.00	40.65
17461	CB	GLU		667			-30.972	21.471	1.00	41.61
17462	CG	GLU		667	-88.		-32.358	22.006	1.00	44.39
17463	CD	GLU		667	-90.0		-32.388	22.815	1.00	48.67
17464	OE1	GLU		667	-90.		-33.247	23.720	1.00	50.22
17465	OE2	GLU		667	-90.9		-31.559	22.545	1.00	50.72
17466	C	GLU		667	-86.		-30.632	23.386	1.00	40.22
17467	0	GLU		667	-87.0		-31.230	24.414		40.14
17468	N		c	668	-85.5		-30.516	22.971	1.00	40.21
17469	CA	ASN		668	-84.4		-31.109	23.713	1.00	40.53
17470	CB	ASN		668	-83.2		-31.267	22.810	1.00	40.59
17471	CG	ASN		668	-83.3		-32.380	21.780	1.00	41.30
17472		ASN		668	-84.		-33.307	21.780	1.00	41.08
17473	ND2		c		-82.0		-32.296	20.683	1.00	41.87
17474	C	ASN		668	-84.0		-30.395	25.022	1.00	40.58
17475	0	ASN		668	-83.4		-30.393	25.891	1.00	40.38
17476			c		-84.4		-29.132	25.182		
17476	N	PHE	C	669 669	-84.		-29.132	26.411	1.00	40.23
17477	CA CB		C		-84.		-28.393	26.411	1.00	39.62
		PHE		669						
17479	CG CD1	PHE	С	669	-83.4		-26.097	25.512	1.00	37.04
17480	CD1	PHE	С	669	-83.4		-26.150 -25.404	24.136	1.00	34.24
17481	CE1		С	669	-82.4			23.421	1.00	33.36
17482	CZ	PHE	С	669	-81.6		-24.571	24.080	1.00	33.94
17483	CE2	PHE	С	669	-81.6	04 L	-24.493	25.464	1.00	34.78

FIGURE 3 ME

A	В	С	D	E		F	G	H	I	J
17484	CD2	PHE	С	669	-82.	558	-25.253	26.169	1.00	35.44
17485	C	PHE		669	-84.		-28.965	27.617	1.00	40.05
17486	0	PHE		669	-84.		-28.506	28.741	1.00	40.11
17487	N	LYS		670	-85.		-29.970	27.382	1.00	40.60
17488	CA	LYS		670	-86.		-30.631	28.450		41.14
17489	CB	LYS		670	-87.		-31.589	27.861	1.00	41.62
17490	CG	LYS		670	-88.		-30.912	27.277	1.00	43.99
17491	CD	LYS		670	-89.		-31.942	26.814	1.00	46.81
17491		LYS		670	-91.		-31.283	26.206	1.00	48.27
17492	CE NZ	LYS		670	-91.		-31.283	25.435	1.00	49.01
17494	C	LYS		670	-85.		-31.419	29.376	1.00	41.34
17495	0	LYS		670	-85.		-31.681	30.533	1.00	41.27
17496	N	GLN		671	-84.		-31.817	28.871	1.00	41.18
17497	CA	GLN		671	-83.		-32.589	29.693	1.00	41.40
17498	CB	GLN		671	-82.		-33.620	28.855	1.00	42.05
17499	CG	GLN		671	-83.		-34.066	27.565	1.00	44.40
17500	CD	GLN		671	-82.		-34.873	26.710	1.00	47.75
17501	OE1	GLN		671	-82.		-35.160	25.549	1.00	50.22
17502	NE2	GLN		671	-81.		-35.242	27.284	1.00	48.69
17503	С	GLN		671	-82.		-31.717	30.384	1.00	40.78
17504	0	GLN		671	-81.		-32.236	31.045	1.00	41.50
17505	N	VAL		672	-82.		-30.403	30.226	1.00	39.33
17506	CA	VAL		672	-81.		-29.549	30.833	1.00	38.19
17507	CB	VAL		672	-80.		-28.961	29.768	1.00	38.30
17508	CG1	VAL		672	-79.		-30.075	28.934	1.00	36.38
17509	CG2	VAL		672	-81.		-27.976	28.882	1.00	37.82
17510	С	VAL		672	-82.		-28.387	31.620	1.00	37.37
17511	0	VAL		672	-83.		-28.031	31.442	1.00	37.61
17512	N	GLU	С	673	-81.		-27.822	32.518	1.00	36.29
17513	CA	GLU		673	-81.		-26.591	33.205	1.00	35.13
17514	CB	GLU		673	-81.		-26.602	34.641	1.00	35.55
17515	CG	GLU		673	-81.		-27.713	35.474	1.00	40.14
17516	CD	GLU		673	-80.		-28.223	36.524	1.00	44.05
17517	OE1	GLU	С	673	-80.		-27.437	37.418	1.00	46.78
17518	OE2	GLU	С	673	-80.	376	-29.399	36.443	1.00	46.49
17519	С	GLU	С	673	-80.		-25.457	32.426	1.00	32.91
17520	0	GLU	С	673	-79.	753	-25.409	32.315	1.00	32.53
17521	N	TYR	С	674	-81.	795	-24.561	31.891	1.00	30.56
17522	CA	TYR	С	674	-81.	354	-23.462	31.042	1.00	28.55
17523	CB	TYR	С	674	-82.	203	-23.496	29.777	1.00	28.68
17524	CG	TYR	С	674	-81.	799	-22.619	28.620	1.00	27.46
17525	CD1	TYR	С	674	-80.	477	-22.501	28.220	1.00	27.52
17526	CE1	TYR	С	674	-80.	129	-21.718	27.117	1.00	26.33
17527	CZ	TYR	С	674	-81.	114	-21.069	26.404	1.00	25.65
17528	OH	TYR	С	674	-80.	791	-20.293	25.309	1.00	26.32
17529	CE2	TYR	С	674	-82.	423	-21.172	26.787	1.00	26.23
17530	CD2	TYR	С	674	-82.	759	-21.945	27.887	1.00	28.21
17531	С	TYR	С	674	-81.	584	-22.108	31.674	1.00	27.22
17532	0	TYR	С	674	-82.	644	-21.855	32.225	1.00	26.63
17533	N	LEU	С	675	-80.	598	-21.230	31.572	1.00	26.37
17534	CA	LEU	С	675			-19.844	32.000		26.14

FIGURE 3 MF

A	В	C	D	E		F	G	H	I	J
17535	СВ	LEU	0	675	-70	95/	-19.479	33.176	1 00	25.90
17536	CG	LEU		675			-18.010	33.651		25.75
17537	CD1	LEU		675			-17.476	34.109		23.89
17538	CD2	LEU		675			-17.849	34.762		23.32
17539	C	LEU		675			-18.947	30.791		26.05
17540	0	LEU					-18.948	30.791		25.78
17541					-79.		-18.199	30.224	1.00	25.78
	N	LEU		676			-17.303			
17542 17543	CA	LEU		676			-17.524	29.263 28.471	1.00	26.02 25.45
	CB	LEU		676					1.00	
17544	CG	LEU		676			-16.741	27.177	1.00	25.45
17545	CD1	LEU		676			-17.043	26.501		24.33
17546	CD2	LEU		676			-17.036	26.271	1.00	23.72
17547	C	LEU			-81.		-15.830	29.705		26.01
17548	0	LEU		676			-15.366	30.429	1.00	26.52
17549	N		С	677			-15.091	29.267		25.95
17550	CA	ILE		677			-13.703	29.732		25.55
17551	CB	ILE	С	677			-13.584	30.744		25.04
17552	CG1	ILE		677	-79.		-14.532	31.939		24.66
17553	CD1	ILE	С	677			-14.600	32.855	1.00	21.13
17554	CG2	ILE		677	-78.		-12.157	31.230		24.45
17555	С	ILE		677	-80.		-12.749	28.576		25.74
17556	0	ILE		677			-13.041	27.708		26.49
17557	N	HIS			-80.		-11.587	28.587		25.43
17558	CA	HIS		678	-80.		-10.653	27.490		25.10
17559	CB	HIS		678			-11.077	26.329		24.83
17560	CG	HIS	С	678	-80.		-10.815	24.981		25.90
17561		HIS		678	-80.		-11.796	24.018		25.45
17562	CE1	HIS		678	-80.		-11.291	22.943		25.72
17563	NE2	HIS		678	-79.		-10.014	23.167	1.00	28.31
17564		HIS		678	-80.		-9.689	24.436		26.49
17565	С	HIS		678	-80.		-9.221	27.892	1.00	25.15
17566	0	HIS			-81.		-8.990	28.623		24.65
17567	N	GLY			-80.		-8.268	27.398		25.01
17568	CA	GLY			-80.		-6.856	27.617		25.20
17569	C	GLY			-81.		-6.436	26.628		25.68
17570	0	GLY		679	-81.		-6.852	25.474	1.00	26.27
17571	N	THR		680	-82.		-5.625	27.053	1.00	25.67
17572	CA	THR		680	-83.		-5.219	26.152	1.00	25.30
17573	CB	THR			-84.		-4.632	26.924	1.00	25.15
17574	OG1	THR			-84.		-3.505	27.700		27.27
17575	CG2	THR			-85.		-5.604	27.952	1.00	23.02
17576	C			680	-82.		-4.206	25.114		25.68
17577	0	THR			-83.		-4.054	24.088		25.49
17578	N	ALA			-81.		-3.493	25.396		26.40
17579	CA	ALA			-81.		-2.484	24.475		26.65
17580	CB	ALA			-81.		-1.160	25.181	1.00	26.53
17581	С	ALA		681	-80.		-2.942	23.815	1.00	26.92
17582	0	ALA		681	-79.		-2.152	23.521	1.00	26.88
17583	N	ASP			-79.		-4.238	23.591	1.00	27.70
17584	CA	ASP		682	-78.		-4.781	22.880		28.44
17585	CB	ASP	С	682	-78.	769	-6.280	23.087	1.00	27.96

FIGURE 3 MG

A	В	C	D	Е	I	7	G	H	I	J
17586	CG	ASP	С	682	-77.4	118	-6.859	22.733	1.00	29.07
17587	OD1	ASP		682	-77.0		-7.902	23.346		28.45
17588	OD2	ASP		682	-76.6		-6.367	21.855		28.76
17589	C	ASP		682	-78.9		-4.442	21.391	1.00	28.76
17590	0	ASP		682	-79.8		-4.943	20.696	1.00	
17591	N	ASP		683	-78.1		-3.577	20.930	1.00	28.86
17592	CA	ASP		683	-78.1		-3.078	19.567	1.00	29.85
17593	CB	ASP		683	-77.4		-1.694	19.577	1.00	29.46
17594	CG	ASP		683	-76.0		-1.732	20.090	1.00	30.36
17595	OD1			683	-75.8		-1.561	21.316	1.00	30.25
17596	OD2	ASP		683	-75.0		-1.956	19.347	1.00	30.48
17597	C	ASP		683	-77.3		-3.976	18.652	1.00	30.02
17598	0	ASP		683	-77.2		-3.794	17.437	1.00	30.19
17599	N	ASN		684	-76.5		-4.923	19.249	1.00	30.21
17600	CA	ASN		684	-75.7		-5.821	18.516	1.00	30.64
17601	CB	ASN		684	-74.4		-6.048	19.310	1.00	31.17
17602	CG	ASN		684	-73.3		-6.646	18.486	1.00	30.89
17603	OD1			684	-72.1		-6.385	18.748	1.00	34.62
17604	ND2	ASN		684	-73.6		-7.450	17.504	1.00	28.71
17605	С	ASN		684	-76.4		-7.120	18.279	1.00	30.65
17606	Ō	ASN		684	-76.9		-7.377	17.168	1.00	31.03
17607	N	VAL		685	-76.5		-7.954	19.308	1.00	30.46
17608	CA	VAL		685	-77.4		-9.106	19.183	1.00	29.55
17609	CB	VAL		685	-76.8		-10.424	19.695	1.00	30.12
17610	CG1	VAL		685	-75.2		-10.408	19.554	1.00	28.95
17611	CG2	VAL		685	-77.2		-10.686	21.089	1.00	31.47
17612	C	VAL		685	-78.7		-8.703	19.869	1.00	29.67
17613	0	VAL		685	-78.8		-8.572	21.102		29.52
17614	N	HIS		686	-79.7		-8.459	19.019	1.00	29.13
17615	CA	HIS		686	-80.9		-7.959	19.423	1.00	28.34
17616	CB	HIS	С	686	-81.8	317	-7.666	18.168	1.00	27.30
17617	CG	HIS	С	686	-81.0	95	-6.768	17.212	1.00	26.65
17618	ND1	HIS	С	686	-81.2	297	-6.794	15.849	1.00	26.45
17619	CE1	HIS	С	686	-80.5	13	-5.902	15.269	1.00	24.28
17620	NE2	HIS	С	686	-79.8	300	-5.307	16.207	1.00	26.49
17621	CD2	HIS	С	686	-80.1	150	-5.828	17.430	1.00	26.11
17622	С	HIS	С	686	-81.7	720	-8.843	20.414	1.00	27.58
17623	0	HIS	С	686	-81.6	543	-10.053	20.341	1.00	28.29
17624	N	PHE	С	687	-82.4	100	-8.213	21.362	1.00	26.85
17625	CA	PHE	С	687	-83.1	188	-8.934	22.350	1.00	26.05
17626	CB	PHE	С	687	-83.9	982	-7.932	23.208	1.00	25.87
17627	CG	PHE	С	687	-84.8	310	-8.586	24.268	1.00	23.93
17628	CD1	PHE	С	687	-84.2	232	-8.972	25.468	1.00	23.35
17629	CE1	PHE	С	687	-84.9	968	-9.601	26.438	1.00	22.69
17630	CZ	PHE	С	687	-86.3	301	-9.861	26.217	1.00	24.49
17631	CE2	PHE	С	687	-86.8	392	-9.493	25.005	1.00	23.18
17632	CD2	PHE	С	687	-86.1	143	-8.860	24.045	1.00	20.96
17633	C	PHE	С	687	-84.1	124	-9.928	21.655	1.00	25.82
17634	0	PHE	С	687	-84.4	194	-10.967	22.208	1.00	25.58
17635	N	GLN	С	688	-84.5	510	-9.572	20.427	1.00	26.01
17636	CA	GLN	С	688	-85.3	330	-10.402	19.548	1.00	25.30

FIGURE 3 MH

A	В	С	D	E	F		G	H	I	J
17637	СВ	GLN	0	688	-85.22	0	.846	18.120	1 00	25.52
17638	CG	GLN		688	-85.65			16.992		25.68
17639	CD	GLN		688	-85.12			15.619	1.00	
17640	OE1	GLN		688	-83.98		.922	15.503		29.89
17641	NE2	GLN		688	-85.94			14.593		27.05
17641	C	GLN		688	-84.85			19.540		25.27
17642	0	GLN		688	-85.65			19.540		24.54
17644	N	GLN		689	-83.53			19.593	1.00	
17644	CA				-82.94			19.445	1.00	25.76
		GLN		689						
17646	CB	GLN		689	-81.41			19.192		24.96
17647	CG	GLN		689	-81.01			18.067		25.21
17648	CD	GLN		689	-80.00			17.089		25.38
17649	OE1	GLN		689	-79.15			16.570		27.69
17650	NE2	GLN		689	-80.09			16.816	1.00	
17651	С	GLN		689	-83.31			20.559	1.00	
17652	0	GLN		689	-83.66			20.368		26.06
17653	N	SER		690	-83.21			21.779		26.14
17654	CA	SER		690	-83.57			22.962		26.18
17655	CB	SER		690	-82.99			24.225	1.00	
17656	OG	SER		690	-81.62			24.368		28.14
17657	С	SER		690	-85.09			23.085		26.21
17658	0	SER		690	-85.65			23.665		26.92
17659	N	ALA		691	-85.75			22.565		25.38
17660	CA	ALA		691	-87.20			22.609	1.00	
17661	CB	ALA		691	-87.77			22.083		25.47
17662	C	ALA		691	-87.75			21.794		26.13
17663	0	ALA		691	-88.82			22.104		25.66
17664	N	GLN		692	-87.04			20.737		26.50
17665	CA	GLN		692	-87.50			19.890		27.59
17666	CB	GLN		692	-86.96			18.447	1.00	
17667	CG	GLN		692	-87.45			17.606	1.00	28.11
17668	CD	GLN		692	-88.91			17.205		29.70
17669	OE1	GLN		692	-89.61			17.555		32.56
17670	NE2	GLN		692	-89.38			16.452		30.95
17671	С	GLN		692	-87.15			20.520	1.00	
17672	0	GLN		692	-87.88			20.354	1.00	27.47
17673	N	ILE		693	-86.05			21.255		27.61
17674	CA	ILE		693	-85.71			21.963		27.65
17675	CB	ILE		693	-84.36			22.673		27.94
17676	CG1	ILE		693	-83.26			21.663		28.29
17677	CD1	ILE	С	693	-81.88			22.267	1.00	28.15
17678	CG2	ILE		693	-84.04			23.471	1.00	27.85
17679	С	ILE		693	-86.79			22.996	1.00	
17680	0	ILE		693	-87.40			23.049		27.53
17681	N	SER		694	-87.07			23.804		27.00
17682	CA	SER		694	-88.06			24.858	1.00	26.27
17683	CB	SER		694	-88.19			25.705	1.00	
17684	OG	SER		694	-88.96			25.035		26.46
17685	C	SER		694	-89.41			24.273		25.86
17686	0	SER		694	-90.09			24.806		24.83
17687	N	LYS	С	695	-89.82	-17.	897	23.185	1.00	25.80

FIGURE 3 MI

A	В	C	D	E	F	G	H	1	J
						10.056	00 505		
17688	CA	LYS				-18.256	22.587		26.44
17689	CB	LYS				-17.304	21.459		25.78
17690	CG	LYS				-17.555	20.937		25.78
17691	CD	LYS				-16.335	20.241		24.53
17692	CE	LYS				-15.682	19.306	1.00	26.21
17693	NZ	LYS			-92.287		18.002		26.98
17694	С	LYS				-19.721	22.121	1.00	27.05
17695	0	LYS			-91.994	-20.476	22.388	1.00	26.52
17696	N	ALA		696		-20.126	21.462	1.00	28.36
17697	CA	ALA				-21.514	21.061	1.00	29.59
17698	CB	ALA				-21.722	20.366	1.00	29.41
17699	С	ALA				-22.472	22.255	1.00	30.35
17700	0	ALA				-23.468	22.181	1.00	31.17
17701	N	LEU			-89.337		23.362	1.00	30.96
17702	CA	LEU				-23.047	24.526	1.00	31.34
17703	CB	LEU				-22.621	25.552	1.00	31.32
17704	CG	LEU		697		-22.719	25.121	1.00	31.13
17705	CD1	LEU	С	697		-22.158	26.197	1.00	31.53
17706	CD2	LEU		697		-24.153	24.871	1.00	31.83
17707	C	LEU	С	697	-90.767	-23.139	25.167	1.00	31.83
17708	0	LEU	С	697	-91.170	-24.196	25.664	1.00	31.72
17709	N	VAL	С	698	-91.498	-22.030	25.164	1.00	32.33
17710	CA	VAL	С	698	-92.842	-22.016	25.718	1.00	32.77
17711	CB	VAL	С	698		-20.600	25.686	1.00	32.93
17712	CG1	VAL	С	698	-94.941	-20.627	25.869	1.00	31.70
17713	CG2	VAL	С	698	-92.732	-19.714	26.746	1.00	33.84
17714	C	VAL	С	698	-93.731	-22.908	24.858	1.00	33.39
17715	0	VAL	С	698	-94.497	-23.747	25.354	1.00	32.98
17716	N	ASP	С	699	-93.612	-22.709	23.553	1.00	33.72
17717	CA	ASP	С	699	-94.399	-23.454	22.596	1.00	34.90
17718	CB	ASP	С	699	-94.157	-22.922	21.178	1.00	34.75
17719	CG	ASP	С	699	-94.846	-21.577	20.955	1.00	35.90
17720	OD1	ASP			-94.559	-20.876	19.952	1.00	35.34
17721	OD2	ASP	С	699	-95.703	-21.144	21.765	1.00	36.30
17722	C	ASP	С	699	-94.241	-24.976	22.715	1.00	35.14
17723	0	ASP	С	699	-95.145	-25.710	22.348	1.00	35.87
17724	N	VAL	С	700	-93.126	-25.456	23.263	1.00	35.25
17725	CA	VAL	С	700	-92.996	-26.895	23.462	1.00	35.16
17726	CB	VAL	С	700	-91.711	-27.475	22.851	1.00	35.42
17727	CG1	VAL	С	700	-91.681	-27.247	21.332	1.00	35.45
17728	CG2	VAL	С	700	-90.500	-26.889	23.517	1.00	35.54
17729	С	VAL	С	700	-93.087	-27.310	24.922	1.00	34.88
17730	0	VAL	С	700	-92.844	-28.472	25.253	1.00	35.23
17731	N	GLY	С	701	-93.427	-26.369	25.797	1.00	34.29
17732	CA	GLY	С	701	-93.599	-26.667	27.209	1.00	33.43
17733	C	GLY	С	701	-92.340	-26.962	28.011	1.00	33.58
17734	0	GLY	С	701	-92.350	-27.800	28.909	1.00	33.64
17735	N	VAL	С	702	-91.239	-26.285	27.719	1.00	33.38
17736	CA	VAL		702	-90.047	-26.548	28.504	1.00	33.15
17737	CB	VAL	С	702	-88.798	-26.788	27.635	1.00	33.65
17738	CG1	VAL	С	702	-88.959	-26.133	26.305	1.00	33.89

FIGURE 3 MJ

A	В	C	D	Е		F	G	H	1	J
17739	CG2	VAL	0	702	_97	.524	-26.329	28.350	1 00	32.46
17740	C	VAL		702		.804	-25.426	29.455	1.00	32.77
17741	0	VAL		702		.693	-24.278	29.047	1.00	33.10
17742	N	ASP		703		.769	-24.278	30.735	1.00	32.24
17743							-24.775	31.743		
17744	CA	ASP		703 703		.481	-25.293	33.128	1.00	31.92
17745	CG	ASP ASP		703		.866	-23.293	34.157	1.00	33.18
17746	OD1			703		.185	-24.176	35.188	1.00	35.21
17747	OD2	ASP		703		.527	-23.137	33.100	1.00	32.34
17748	C	ASP		703		.003	-24.443	31.699	1.00	31.72
17749	0	ASP		703		.171	-25.328	31.441	1.00	31.69
17750		PHE		704		.686	-23.328	31.441		30.47
17751	N CA	PHE		704		.319	-23.180	31.956	1.00	29.79
17752				704		.893	-22.354	30.526	1.00	29.79
17753	CB	PHE	C	704		.694	-21.234	29.895		29.30
17754	CD1	PHE		704		.176	-19.959	29.899		28.22
17755										
17756	CE1		С	704		.924	-18.908 -19.140	29.241		29.08
	CZ	PHE		704						
17757 17758	CE2 CD2	PHE	С	704 704		.733 .980	-20.426 -21.460	28.854	1.00	29.66
17759 17760	C	PHE		704 704		.316	-21.374 -20.923	32.767	1.00	30.00
17761	0					.151			1.00	
17762	N CA	GLN GLN		705 705		.083	-20.765 -19.532	32.942	1.00	29.66
17763		GLN		705		.028	-19.633	34.797	1.00	30.23
17764	CB CG	GLN		705		.028	-20.898	35.599	1.00	33.52
17765	CD	GLN		705		.252	-20.898	36.513	1.00	38.13
17766	OE1	GLN		705		.556	-19.950	37.174		41.13
17767	NE2	GLN		705		.929		36.569	1.00	39.09
17768	C	GLN		705		.693	-18.412	32.780	1.00	
17769	0	GLN		705		.908	-18.613	31.857	1.00	29.61
17770	N	ALA		706		.225	-17.223	33.040		28.88
17771	CA	ALA		706		.885	-16.062	32.231		27.87
17772	CB	ALA		706		.051	-15.688	31.325		27.66
17773	CD	ALA		706		.516	-14.877	33.085		26.99
17774	0	ALA		706		.879	-14.800	34.252		27.04
17775	N		č	707		794	-13.947	32.480		26.11
17776	CA	MET	č	707		530	-12.656	33.099		25.44
17777	CB	MET	č	707		.276	-12.693	33.961		25.00
17778	CG	MET		707		.984	-11.399	34.675		25.79
17779	SD	MET	c	707		.350	-10.765	35.649	1.00	
17780	CE		c	707		.436	-11.896	37.012		26.20
17781	C	MET	c	707		.356	-11.674	31.960		24.58
17782	0	MET	c	707	-82		-11.074	31.055		25.30
17783	N	TRP		708		.147	-10.613	31.948		23.19
17784	CA	TRP		708		.934	-9.580	30.966		22.70
17785	CB	TRP		708	-85		-9.058	30.368		22.20
17786	CG	TRP		708		.096	-8.244	31.314		21.68
17787	CD1	TRP		708	-85		-6.947	31.694		22.05
17788	NE1	TRP		708	-86		-6.559	32.600		21.32
17789	CE2	TRP		708		702	-7.605	32.814		21.26
			-		2,					

FIGURE 3 MK

A	В	С	D	E		F		G		H	1	J
17790	CD2	TRP	0	708	_0	7.268	_ 0	.676	32	.021	1 00	21.80
17791	CE3	TRP		708		7.985		.882		.081		22.63
17792	CZ3	TRP		708		9.088		.965		.904		20.42
17793	CH2	TRP		708		9.503		.880		.651		21.01
17794	CZ2	TRP		708		8.829		.687		.617		21.36
17795	C	TRP		708		3.229		.493		.750		22.73
17796						3.229				.977		
17797	0	TRP		708		2.421		.421		.074	1.00	
17798	N	TYR		709 709				.687				22.44
	CA					1.810		.522		.729	1.00	
17799	CB	TYR		709		0.284		.642		.842		22.71
17800	CG	TYR		709		9.877		.542		.000		23.98
17801	CD1	TYR		709		9.779		.046		.305	1.00	24.20
17802	CE1	TYR		709		9.423		.880		.368		23.62
17803	CZ	TYR		709		9.190		.216		.126	1.00	24.37
17804	OH	TYR		709		8.840		.061		.143		25.39
17805	CE2	TYR		709		9.279		.717		.851		24.05
17806	CD2	TYR		709		9.628		.885		.800	1.00	23.27
17807	С	TYR		709		2.261		.221		.061		23.07
17808	0	TYR		709		1.802		.854		.972	1.00	23.48
17809	N	THR		710		3.185		.543		.713	1.00	23.18
17810	CA	THR		710		3.740		.310		.172	1.00	23.50
17811	CB	THR		710		4.575		.617		.218		23.16
17812	OG1	THR		710		5.625		.490		.656		22.78
17813	CG2	THR		710		5.289		.428		.594		22.97
17814	C	THR		710		2.662		.325		.732		24.18
17815	0	THR		710		1.822		.929		.543		23.64
17816	N	ASP		711		2.702		.941		.452		24.46
17817	CA	ASP	С	711		1.825		.904		.903		24.95
17818	CB	ASP		711		2.046		.427		.611	1.00	25.38
17819	CG	ASP		711		3.420		.020		.321		25.45
17820	OD1	ASP	С	711		3.787		.039		.948	1.00	25.43
17821	OD2	ASP		711		4.191		.526		.481		24.04
17822	С	ASP		711		0.334		.209		.849		25.77
17823	0		С	711		9.517		.303		.624		25.57
17824	N	GLU		712		9.963		.466		.077		26.14
17825	CA	GLU	С	712		8.567		.830		.956	1.00	26.35
17826	CB	GLU		712		8.214		.959		.921	1.00	26.53
17827	CG	GLU		712		8.190		.542		.385	1.00	27.05
17828	CD	GLU	С	712		7.122		.507		.678	1.00	27.01
17829	OE1	GLU		712		7.472		.366		.024		28.43
17830	OE2	GLU	С	712		5.928		.824		.546	1.00	28.74
17831	С	GLU		712		8.309		.256		.512	1.00	26.60
17832	0	GLU		712		9.199		.769		.852	1.00	26.39
17833	N	ASP		713		7.097		.011		.022		27.38
17834	CA	ASP		713		6.722		.453		.697		27.89
17835	CB	ASP	С	713		5.939		.383		.925	1.00	27.56
17836	CG	ASP		713		4.608		.075		.537	1.00	29.75
17837	OD1	ASP	С	713		4.141		.940		.322	1.00	30.11
17838		ASP		713		3.951		.892		.239	1.00	31.92
17839	С	ASP	С	713		5.958		.768		.788		28.33
17840	0	ASP	С	713	-7!	5.948	-5	.418	26	.828	1.00	28.12

FIGURE 3 ML

A	В	C	D	Е	F	G	Н	I	J
17841	N	HIS	С	714	-75.318	-5.146	24.689	1.00	28.83
17842	CA	HIS		714	-74.668	-6.444	24.576		28.96
17843	CB	HIS	С	714	-74.001	-6.578	23.222	1.00	28.89
17844	CG	HIS	С	714	-73.825	-7.994	22.791	1.00	29.25
17845	ND1			714	-74.833	-8.923	22.886	1.00	
17846	CE1	HIS		714	-74.395	-10.089	22.445	1.00	30.34
17847	NE2	HIS		714	-73.142	-9.943	22.054	1.00	29.84
17848	CD2	HIS		714	-72.756	-8.645	22.275		29.24
17849	C	HIS		714	-73.656	-6.746	25.653	1.00	28.97
17850	0	HIS	С	714	-73.418	-7.907	25.980	1.00	28.89
17851	N	GLY	С	715	-73.041	-5.702	26.189	1.00	29.24
17852	CA	GLY	С	715	-72.060	-5.883	27.236	1.00	29.03
17853	С	GLY	С	715	-72.655	-6.055	28.631		28.99
17854	0	GLY	С	715	-71.976	-6.593	29.506	1.00	29.44
17855	N	ILE		716	-73.906	-5.627	28.832	1.00	
17856	CA	ILE	С	716	-74.546	-5.643	30.150	1.00	28.60
17857	CB	ILE	С	716	-75.097	-7.061	30.482	1.00	28.61
17858	CG1	ILE	С	716	-76.012	-7.553	29.352	1.00	27.50
17859	CD1	ILE	С	716	-76.567	-8.976	29.526	1.00	24.05
17860	CG2	ILE	С	716	-75.850	-7.081	31.828	1.00	27.56
17861	С	ILE	С	716	-73.488	-5.180	31.155	1.00	29.55
17862	0	ILE	С	716	-73.229	-5.844	32.162	1.00	29.67
17863	N	ALA		717	-72.888	-4.028	30.859	1.00	30.13
17864	CA	ALA		717	-71.721	-3.519	31.579	1.00	30.84
17865	CB	ALA	C	717	-70.617	-3.146	30.601	1.00	32.01
17866	C	ALA		717	-71.929	-2.365	32.515	1.00	31.09
17867	Ō	ALA		717	-70.972	-1.892	33.079	1.00	30.83
17868	N	SER		718	-73.148	-1.867	32.655	1.00	31.83
17869	CA	SER	С	718	-73.378	-0.873	33.679	1.00	32.40
17870	CB	SER	С	718	-74.872	-0.600	33.812	1.00	32.62
17871	OG	SER	С	718	-75.432	-0.369	32.525	1.00	36.75
17872	С	SER	С	718	-72.862	-1.516	34.967	1.00	32.11
17873	0	SER		718	-72.781	-2.734	35.070	1.00	32.36
17874	N	SER	С	719	-72.544	-0.697	35.953	1.00	31.52
17875	CA	SER	С	719	-72.051	-1.187	37.220	1.00	31.73
17876	CB	SER	С	719	-71.735	-0.003	38.137	1.00	31.98
17877	OG	SER	С	719	-70.603	-0.283	38.913	1.00	33.29
17878	С	SER	С	719	-73.044	-2.107	37.920	1.00	30.80
17879	0	SER	С	719	-72.718	-3.211	38.321	1.00	30.97
17880	N	THR	С	720	-74.268	-1.647	38.072	1.00	30.15
17881	CA	THR	С	720	-75.241	-2.431	38.805	1.00	29.08
17882	CB	THR	С	720	-76.425	-1.559	39.178	1.00	28.68
17883	OG1	THR	С	720	-76.876	-0.883	38.011	1.00	29.40
17884	CG2	THR	С	720	-75.951	-0.421	40.044	1.00	28.86
17885	C	THR	С	720	-75.682	-3.669	38.048	1.00	28.58
17886	0	THR	С	720	-75.903	-4.717	38.656	1.00	28.42
17887	N	ALA	С	721	-75.796	-3.576	36.728	1.00	27.86
17888	CA	ALA	С	721	-76.220	-4.752	35.969	1.00	27.51
17889	CB	ALA	С	721	-76.701	-4.383	34.573	1.00	26.20
17890	C	ALA	С	721	-75.134	-5.826	35.929	1.00	27.48
17891	0	ALA	С	721	-75.423	-7.014	36.031	1.00	27.71

FIGURE 3 MM

A	В	C	D	E	F	G	H	I	J
17892	N	HIS	0	722	-73.884	-5.399	35.804	1 00	27.93
17893	CA	HIS		722	-72.759	-6.323	35.762		28.17
17894	CB	HIS		722	-71.460	-5.543	35.564		28.11
17895	CG	HIS		722	-70.221	-6.339	35.837		27.63
17896	ND1	HIS		722	-69.750	-7.304	34.975	1.00	
17897	CE1	HIS		722	-68.646	-7.830	35.471		28.63
17898	NE2	HIS	c	722	-68.389	-7.247	36.628		26.63
17898	CD2	HIS		722	-69.354	-6.306	36.875	1.00	
17900	C C	HIS		722	-72.701	-7.128	37.058	1.00	28.52
			С						
17901	0	HIS		722	-72.442	-8.324	37.050	1.00	
17902	N	GLN		723	-72.954	-6.470	38.176	1.00	
17903	CA	GLN		723	-72.929	-7.149	39.455		27.90
17904	CB	GLN		723	-72.910	-6.117	40.584		28.20
17905	CG	GLN		723	-71.681	-5.219	40.515	1.00	
17906	CD	GLN		723	-71.570	-4.211	41.657	1.00	31.92
17907	OE1	GLN		723	-71.558	-4.583	42.829	1.00	35.27
17908	NE2	GLN		723	-71.454	-2.941	41.309	1.00	31.36
17909	С	GLN		723	-74.119	-8.113	39.556	1.00	
17910	0	GLN		723	-73.969	-9.253	39.991	1.00	
17911	N	HIS		724	-75.283	-7.651	39.110	1.00	26.35
17912	CA	HIS		724	-76.505	-8.445	39.140	1.00	25.52
17913	CB	HIS		724	-77.701	-7.599	38.709	1.00	
17914	CG	HIS		724	-79.023	-8.157	39.137		22.05
17915	ND1	HIS		724	-79.711	-9.096	38.397	1.00	
17916	CE1	HIS		724	-80.844	-9.392	39.008	1.00	19.99
17917	NE2	HIS	С	724	-80.909	-8.687	40.127	1.00	
17918		HIS		724	-79.781	-7.910	40.230	1.00	19.60
17919	С	HIS		724	-76.461	-9.691	38.265		26.07
17920	0	HIS		724	-76.941	-10.749	38.656		26.47
17921	N	ILE		725	-75.896	-9.582	37.073	1.00	
17922	CA	ILE	С	725	-75.903	-10.737	36.192	1.00	
17923	CB		С	725	-75.534	-10.358	34.755	1.00	
17924	CG1	ILE		725	-75.616	-11.601	33.850		24.74
17925	CD1	ILE		725		-11.305	32.353		19.42
17926	CG2	ILE		725	-74.155	-9.741	34.712	1.00	
17927	С	ILE	С	725	-74.976	-11.805	36.733	1.00	
17928	0		С	725	-75.273	-12.998	36.669	1.00	
17929	N	TYR		726		-11.385	37.258		26.22
17930	CA	TYR		726	-72.905	-12.356	37.820		26.09
17931	CB	TYR		726	-71.484	-11.788	37.888		25.95
17932	CG	TYR		726	-70.842	-11.862	36.538	1.00	25.39
17933	CD1	TYR		726	-70.768	-10.742	35.727	1.00	26.52
17934	CE1	TYR		726	-70.207		34.470	1.00	
17935	CZ	TYR		726	-69.732	-12.019	34.000		27.86
17936	OH	TYR		726	-69.183	-12.076	32.736		
17937	CE2	TYR		726		-13.155	34.785	1.00	
17938	CD2	TYR		726	-70.376	-13.074	36.038	1.00	25.01
17939	С	TYR		726		-12.933	39.142	1.00	25.98
17940	0	TYR		726	-73.091	-14.079	39.473	1.00	
17941	N	THR		727	-74.152	-12.151	39.893		26.17
17942	CA	THR	С	727	-74.722	-12.673	41.113	1.00	26.92

FIGURE 3 MN

A	В	С	D	E	F	G	H	I	J
17943	СВ	THR		727	75 244	-11.554	41.938	1 00	27.07
17943	OG1	THR		727		-10.635	42.327	1.00	
17945	CG2	THR		727		-12.089	43.262	1.00	
17945	C	THR		727		-13.696	40.743		26.93
17947				727	-75.851	-14.775	41.292	1.00	
17947	O N	THR		728		-13.343	39.773		27.18
17948		HIS				-13.343			
	CA			728			39.376		26.26
17950 17951	CB	HIS		728 728		-13.490 -14.097	38.344	1.00	26.06
17951	CG ND1	HIS	С	728		-14.101	38.205 39.232		22.47
	CE1	HIS		728		-14.716			25.26
17953 17954	NE2	HIS		728		-14.716	38.836		
17954	CD2	HIS		728		-14.752	37.584		23.59
17956		HIS		728	-77.207		37.177 38.822	1.00	
17957	C O	HIS		728		-16.540	39.132	1.00	
17958	N	MET	c	729		-15.437	37.988		27.12
				729		-16.642			
17959 17960	CA	MET	С	729		-16.286	37.365 36.234		27.80
	CB		С	729		-15.546		1.00	
17961 17962	CG SD	MET	C	729	-74.201	-15.459	35.049 33.591	1.00	28.59
17963 17964	CE	MET	C	729 729		-14.769 -17.520	34.257 38.397	1.00	29.21
17964	C								
17965	N	MET		729 730		-18.747 -16.888	38.253	1.00	28.43
17967		SER		730		-17.619	40.453	1.00	
17968	CA CB	SER		730		-16.676	41.394		29.48
17969	OG	SER		730		-16.002	40.707	1.00	30.09
17970	C	SER		730	-74.662	-18.420	41.226		29.98
17971	Ö	SER		730		-19.586	41.524	1.00	
17972	N	HIS		731	-75.798	-17.806	41.529	1.00	30.81
17973	CA	HIS		731		-18.559	42.211	1.00	32.19
17974	CB	HIS		731		-17.671	42.564	1.00	32.39
17975	CG	HIS		731	-77.797	-16.752	43.720	1.00	34.04
17976	ND1	HIS		731		-15.476	43.789	1.00	35.75
17977		HIS		731		-14.905	44.921	1.00	34.64
17978	NE2	HIS	c	731		-15.768	45.593	1.00	35.49
17979		HIS		731	-77.092	-16.927	44.862	1.00	34.24
17980	C	HIS		731		-19.740	41.346	1.00	32.33
17981	ŏ	HIS		731	-77.464	-20.857	41.831	1.00	31.91
17982	N	PHE		732	-77.467	-19.499	40.053	1.00	32.72
17983	CA	PHE	c	732	-77.942	-20.559	39.177	1.00	33.08
17984	CB	PHE	c	732	-78.275	-20.011	37.789	1.00	32.39
17985	CG	PHE	c	732	-78.750	-21.053	36.823	1.00	30.50
17986	CD1	PHE	c	732	-80.094	-21.375	36.739	1.00	29.46
17987	CE1	PHE		732		-22.336	35.850	1.00	30.06
17988	CZ	PHE		732		-22.993	35.019	1.00	30.53
17989	CE2		Č	732	-78.291	-22.675	35.092	1.00	29.92
17990	CD2	PHE		732		-21.701	35.998	1.00	29.63
17991	C		č	732		-21.743	39.100	1.00	33.93
17992	ŏ	PHE		732		-22.888	39.250	1.00	34.04
17993	N	ILE		733		-21.469	38.863		35.09

FIGURE 3 MO

A	В	C	D	E	F	G	H	I	J
17001	0.3			722	74 700	00 541	20.701	1 00	26 47
17994	CA	ILE		733	-74.708		38.781	1.00	36.47
17995	CB	ILE	С	733	-73.334		38.433	1.00	36.03
17996	CG1	ILE	С	733	-73.352	-21.375	37.038	1.00	36.78
17997	CD1	ILE	С	733	-73.673		35.938	1.00	37.16
17998	CG2	ILE	С	733	-72.312	-23.105	38.511	1.00	36.12
17999	С	ILE	С	733	-74.618		40.094	1.00	37.68
18000	0	ILE	С	733		-24.539	40.097	1.00	37.96
18001	N	LYS	С	734		-22.589	41.209	1.00	39.05
18002	CA	LYS	С	734	-74.487	-23.239	42.512	1.00	40.56
18003	CB	LYS	С	734	-74.345	-22.199	43.625	1.00	40.35
18004	CG	LYS		734		-21.120	43.293	1.00	39.62
18005	CD		С	734	-72.498	-20.779	44.472	1.00	39.88
18006	CE	LYS		734	-73.333	-20.568	45.699	1.00	40.60
18007	NZ	LYS		734	-72.622	-21.094	46.881	1.00	41.45
18008	С	LYS		734		-24.209	42.840	1.00	41.64
18009	0	LYS		734	-75.367	-25.308	43.330	1.00	42.54
18010	N	GLN		735	-76.846	-23.808	42.588	1.00	42.61
18011	CA	GLN		735		-24.673	42.885	1.00	43.80
18012	CB	GLN	С	735	-79.298	-23.889	42.813	1.00	43.93
18013	CG	GLN		735	-80.478	-24.618	43.486	1.00	46.68
18014	CD	GLN		735	-81.636	-23.693	43.845	1.00	49.78
18015	OE1	GLN		735	-82.014	-23.587	45.020	1.00	50.01
18016	NE2	GLN		735		-23.033	42.834	1.00	50.27
18017	C	GLN		735	-77.997	-25.883	41.943	1.00	43.79
18018	0	GLN		735	-78.464	-26.960	42.307		43.94
18019	N	CYS	С	736	-77.496	-25.700	40.729	1.00	43.82
18020	CA	CYS	С	736		-26.783	39.764	1.00	44.07
18021	CB	CYS	С	736	-77.213	-26.217	38.370	1.00	44.15
18022	SG	CYS	С	736	-76.430	-27.305	37.152	1.00	45.75
18023	С		С	736	-76.374	-27.790	40.155	1.00	44.17
18024	0	CYS	С	736	-76.455	-28.968	39.814	1.00	44.51
18025	N	PHE	С	737	-75.382	-27.311	40.897	1.00	43.85
18026	CA	PHE	С	737		-28.127	41.378	1.00	43.48
18027	CB	PHE	С	737	-72.997	-27.358	41.219	1.00	43.04
18028	CG	PHE	С	737	-72.486	-27.348	39.836	1.00	40.98
18029	CD1	PHE	С	737	-73.101		38.864	1.00	39.10
18030	CE1	PHE	С	737	-72.633	-28.121	37.592	1.00	37.35
18031	CZ	PHE	С	737	-71.532	-27.363	37.263	1.00	39.57
18032	CE2	PHE	С	737	-70.905	-26.598	38.223	1.00	38.73
18033	CD2	PHE	С	737	-71.387	-26.592	39.503	1.00	39.14
18034	С	PHE	С	737	-74.463	-28.459	42.848	1.00	44.22
18035	0	PHE	С	737	-73.541	-28.962	43.501	1.00	44.19
18036	N	SER		738	-75.639	-28.172	43.380	1.00	44.96
18037	CA	SER		738	-75.876	-28.410	44.792	1.00	45.92
18038	CB	SER		738	-75.921	-29.916	45.084	1.00	46.15
18039	OG	SER		738		-30.586	44.219	1.00	44.65
18040	C	SER		738	-74.777	-27.751	45.627	1.00	47.06
18041	0	SER		738		-28.307	46.648	1.00	47.75
18042	N	LEU		739	-74.289		45.197	1.00	47.53
18043	CA	LEU		739	-73.290		45.983	1.00	48.35
18044	CB	LEU	С	739	-72.264	-25.170	45.090	1.00	48.05

FIGURE 3 MP

18045 CG LEU C 739	A	В	C	D	Е	F		G	H	I	J
18046 CD1 LEU C 739											
18047 CD2 LEU C 739											
18048 C LEU C 739 -73.953 - 24.835 46.908 1.00 49.10 18050 N PRO C 740 -73.984 - 25.156 48.198 1.00 49.55 18051 CA PRO C 740 -74.608 - 24.312 49.277 1.00 49.55 18052 CB PRO C 740 -74.608 - 24.312 49.277 1.00 50.11 18053 CG PRO C 740 -74.966 - 25.073 50.527 1.00 50.11 18055 C PRO C 740 -74.110 - 26.505 50.086 1.00 49.96 18055 C PRO C 740 -73.399 - 26.338 48.766 1.00 49.76 18055 C PRO C 740 -74.206 - 22.873 49.312 1.00 49.76 18056 O PRO C 740 -72.926 - 22.583 48.946 1.00 49.97 18055 C PRO C 740 -72.926 - 22.583 48.946 1.00 49.97 18058 C7 NAG C1621 -69.324 24.781 23.484 1.00 77.15 18061 C2 NAG C1621 -68.637 25.427 21.299 1.00 77.63 18061 C2 NAG C1621 -70.814 25.855 22											
18040 0 LEU C 739 -74.413 -23.778 46.458 1.00 49.35 18051 CA PRO C 740 -74.608 -24.312 49.227 1.00 49.80 18052 CB PRO C 740 -74.608 -24.312 49.227 1.00 49.80 18052 CB PRO C 740 -74.608 -24.312 49.227 1.00 50.11 18054 CD PRO C 740 -74.296 -25.073 50.527 1.00 50.11 18054 CD PRO C 740 -74.296 -25.073 50.527 1.00 50.11 18055 C PRO C 740 -74.296 -25.073 50.527 1.00 49.90 18055 CP PRO C 740 -73.399 -26.383 48.766 1.00 49.91 18055 C PRO C 740 -72.926 -22.583 48.946 1.00 49.69 18057 O7 NAG C1621 -69.609 25.335 22.437 1.00 77.32 18059 CR NAG C1621 -69.609 25.335 22.437 1.00 77.32 18060 N2 NAG C1621 -69.609 25.335 22.437 1.00 77.32 18060 N2 NAG C1621 -70.814 25.855 22.191 1.00 76.74 18061 C2 NAG C1621 -71.879 25.849 23.162 1.00 76.74 18062 C1 NAG C1621 -71.306 27.990 24.170 1.00 77.20 18062 C1 NAG C1621 -71.306 27.990 24.170 1.00 77.20 18062 C3 NAG C1621 -71.306 27.990 24.170 1.00 77.80 18066 O4 NAG C1621 -72.310 24.411 23.484 1.00 77.25 18066 O4 NAG C1621 -72.324 27.130 26.658 1.00 78.54 18067 C5 NAG C1621 -73.394 25.023 25.467 1.00 78.54 18067 C5 NAG C1621 -73.394 25.023 25.467 1.00 78.54 18067 C5 NAG C1621 -73.394 25.023 25.467 1.00 78.54 18067 C7 NAG C2311 -44.308 19.536 4.596 1.00 66.73 18077 C7 NAG C2311 -44.308 19.536 4.596 1.00 86.50 18077 C7 NAG C2311 -44.308 19.536 4.596 1.00 86.50 18077 C7 NAG C2311 -44.838 19.103 1.819 1.00 85.81 18079 C4 NAG C2311 -44.838 19.103 1.819 1.00 85.81 18077 C3 NAG C2311 -44.838 19.103 1.819 1.00 85.81 18080 C4 NAG C2311 -44.838 19.103 1.819 1.00 85.81 18080 C4 NAG C2311 -44.838 19.103 1.819 1.00 85.81 18080 C5 NAG C2311 -44.838 19.103 1.819 1.00 85.81 18080 C4 NAG C2311 -45.605 16.977 2.834 1.00 86.50 18080 C4 NAG C2311 -45.605 16.977 2.834 1.00 86.50 18080 C4 NAG C2311 -45.605 16.977 2.834 1.00 86.50 18080 C4 NAG C2311 -45.605 16.977 2.834 1.00 86.50 18080 C4 NAG C2311 -45.605 16.977 2.834 1.00 86.50 18080 C4 NAG C2311 -45.605 16.977 2.834 1.00 86.50 18080 C4 NAG C2311 -45.605 16.977 2.834 1.00 86.50 18080 C4 NAG C2311 -45.605 16.977 2.834 1.00 86.50 18080 C4 NAG C2311 -45.605 16											
18050 N PRO C 740											
18051 CA PRO C 740 -74.608 24.312 49.227 1.00 49.80 18052 CB PRO C 740 -74.296 25.073 50.527 1.00 50.11 18053 CG PRO C 740 -74.110 -26.505 50.086 1.00 50.01 18055 C PRO C 740 -74.065 -22.873 49.312 1.00 49.69 18056 O PRO C 740 -72.926 -22.583 48.946 1.00 49.69 18056 O PRO C 740 -72.926 -22.583 48.946 1.00 79.69 69.69 25.335 22.437 1.00 77.732 18059 CR NAG C1621 -69.609 25.335 22.437 1.00 77.732 18060 N2 NAG C1621 -70.814 25.855 22.191 1.00 76.74 18061 C2 NAG C1621 -71.393 26.601 24.412 1.0											
18052 CB PRO C 740 -74.296 -25.073 50.527 1.00 50.11 18053 CG PRO C 740 -74.110 -26.503 50.086 1.00 50.11 18055 C PRO C 740 -73.399 -26.383 48.766 1.00 49.76 18056 C PRO C 740 -72.926 -22.583 48.946 1.00 49.76 18058 C NAG C1621 -69.324 24.781 23.484 1.00 77.15 18060 N2 NAG C1621 -68.637 25.427 21.299 1.00 77.63 18060 N2 NAG C1621 -71.814 25.849 23.162 1.00 76.77 18061 C2 NAG C1621 -71.539 26.601 24.442 1.00 77.28 18063 C3 NAG C1621 -71.539 26.601 24.422 1.00 77.28 18065 C4 NAG C1621 -72.											
18053 CG PRO C 740 -74.110 -26.505 50.086 1.00 50.01 18055 CD PRO C 740 -73.939 -26.383 48.766 1.00 49.71 18055 C PRO C 740 -74.065 -22.873 49.312 1.00 49.76 18056 O PRO C 740 -72.926 -22.583 48.946 1.00 49.76 18057 O NAG C1621 -68.0324 24.781 23.484 1.00 77.51 18059 CS NAG C1621 -68.637 25.335 22.337 1.00 77.32 18060 N2 NAG C1621 -71.897 25.855 22.191 1.00 76.74 18061 C2 NAG C1621 -71.397 25.849 23.162 1.00 77.72 18063 C3 NAG C1621 -71.393 26.612 24.411 23.483 1.00 76.74 18065 C4 NAG C1											
18054 CD PRO C 740 -73.399 -26.383 48.766 1.00 49.91 18055 C PRO C 740 -72.926 -22.583 49.312 1.00 49.69 18056 O PRO C 740 -72.926 -22.583 48.946 1.00 49.69 18058 C NAG C1621 -69.609 25.335 22.437 1.00 77.63 18060 N2 NAG C1621 -68.637 25.427 21.299 1.00 77.63 18060 N2 NAG C1621 -71.819 25.849 23.162 1.00 76.77 18062 C1 NAG C1621 -71.897 25.849 23.162 1.00 76.77 18063 C3 NAG C1621 -71.539 26.601 24.421 1.00 77.72 18065 C4 NAG C1621 -72.695 26.489 25.427 1.00 78.63 18066 </td <td></td>											
18055 C PRO C 740 -74.065 - 22.873 49.312 1.00 49.76 18056 O PRO C 740 -72.966 - 22.583 48.946 1.00 49.69 18057 O7 NAG C1621 -69.324 24.781 23.484 1.00 77.15 18058 C7 NAG C1621 -69.609 25.335 22.437 1.00 77.63 18060 C8 NAG C1621 -70.814 25.855 22.191 1.00 77.73 18061 C2 NAG C1621 -71.897 25.855 23.162 1.00 77.63 18063 C3 NAG C1621 -71.897 25.849 23.162 1.00 77.60 18063 C3 NAG C1621 -71.390 24.411 23.483 1.00 74.60 18064 C3 NAG C1621 -71.306 27.990 24.170 1.00 77.20 18066 C4 NAG C1621 -72.324 27.130 26.658 1.00 78.53 18067 C5 NAG C1621 -73.497 24.392 24.401 1.00 78.62 18070 O6 NAG C1621 -73.407 24.398 24.400 1.00 78.63											
18056 O PRO C 740											
18057 O7 NAG C1621 -69.324 24.781 23.484 1.00 77.15 18058 C7 NAG C1621 -69.609 25.335 22.437 1.00 77.25 18060 N2 NAG C1621 -68.637 25.427 21.299 1.00 77.63 18060 N2 NAG C1621 -71.897 25.855 22.191 1.00 76.74 18063 C3 NAG C1621 -71.897 25.849 23.162 1.00 77.20 18064 O3 NAG C1621 -71.393 26.610 24.441 10.00 77.20 18065 C4 NAG C1621 -71.306 27.990 24.170 1.00 77.20 18066 VA NAG C1621 -72.394 25.227 1.00 78.53 18067 C5 NAG C1621 -72.394 25.427 21.00 78.54 18066 C4 NAG C1621 -73.407 24.388 24.400 1.00 78.54 18067 C6 NAG C1621 -73.407 24.388 24.400 1.00 78.54											
18058 C7 NAG C1621 -69.609 25.335 22.437 1.00 77.32 18060 N2 NAG C1621 -68.637 25.427 21.299 1.00 77.32 18060 N2 NAG C1621 -70.814 25.855 22.191 1.00 76.74 18061 C2 NAG C1621 -71.897 25.849 23.162 1.00 76.77 18063 C3 NAG C1621 -71.302 24.411 23.483 1.00 77.28 18064 O3 NAG C1621 -71.593 26.601 24.422 1.00 77.28 18065 C4 NAG C1621 -72.695 26.489 25.427 1.00 77.80 18066 C4 NAG C1621 -72.695 26.489 25.427 1.00 77.85 18067 C5 NAG C1621 -73.094 25.023 25.647 1.00 77.85 18069 C6 NAG C1621 -74.296 24.902 26.587 1.00 78.53 18071 O7 NAG C2311 -43.19 20.324 4.123											
18059 C8 NAG C1621 -68.637 25.427 21.299 1.00 76.76 18060 NAG C1621 -70.814 25.859 22.191 1.00 76.77 18061 C2 NAG C1621 -71.897 25.849 23.162 1.00 76.77 18063 C3 NAG C1621 -71.397 26.601 24.442 1.00 76.77 18064 O3 NAG C1621 -71.393 26.601 24.442 1.00 77.20 18065 C4 NAG C1621 -72.995 26.499 25.427 1.00 77.20 18066 O4 NAG C1621 -72.394 27.130 26.658 1.00 77.20 18066 O5 NAG C1621 -73.394 25.223 25.647 1.00 77.63 18067 C5 NAG C1621 -73.394 25.023 25.687 1.00 78.63 18069 C6 NAG C2311 -45.119 20.326 41.23 1.00 78.53 18071 O7 NAG C2311 -45.119 20.326 4.123 1.											
18060 N2 NAG C1621 -70.814 25.855 22.191 1.00 76.74 18061 C2 NAG C1621 -71.897 25.859 23.162 1.00 76.77 18062 C1 NAG C1621 -72.310 24.411 23.483 1.00 74.60 18063 C3 NAG C1621 -71.539 26.601 24.412 1.00 77.28 18066 C4 NAG C1621 -72.695 26.489 25.427 1.00 78.05 18066 C4 NAG C1621 -72.242 27.130 26.658 1.00 78.05 18066 C4 NAG C1621 -72.242 27.130 26.658 1.00 78.05 18066 O5 NAG C1621 -73.094 25.023 25.647 1.00 78.65 18070 O6 NAG C1621 -74.296 24.902 26.587 1.00 78.69 18070 O7 NAG C2311 -45.119 20.326 4.123 1.00 85.51 18071 O7 NAG C2311 -43.981 19.536 4.596											
18061 C2 NNG C1621 -71.897 25.849 23.162 1.00 76.77 18062 C1 NNG C1621 -71.330 24.111 23.483 1.00 74.60 18063 C3 NNG C1621 -71.539 26.601 24.442 1.00 77.28 18065 C4 NAG C1621 -72.695 26.489 25.427 1.00 77.29 18066 C4 NAG C1621 -72.695 26.489 25.427 1.00 78.05 18066 C4 NAG C1621 -72.324 27.130 26.658 1.00 78.54 18068 C5 NAG C1621 -73.309 25.647 1.00 77.28 18069 C6 NAG C1621 -73.407 24.398 24.400 1.00 76.82 18069 C6 NAG C1621 -73.407 24.398 24.400 1.00 76.82 18070 C6 NAG C1621 -74.296 24.902 26.587 1.00 78.65 18071 C7 NAG C2311 -44.308 19.536 4.123 1.00 86.50 18073 C7 NAG C2311 -44.308 19.536 4.123 1.00 86.26 18074 N2 NAG C2311 -44.308 19.536 4.123 1.00 86.50 18075 C2 NAG C2311 -44.308 19.536 4.123 1.00 86.53 18076 C1 NAG C2311 -44.308 19.536 4.123 1.00 86.53 18077 C3 NAG C2311 -44.369 19.536 4.123 1.00 86.53 18076 C1 NAG C2311 -44.839 19.03 1.819 1.00 85.51 18077 C3 NAG C2311 -44.838 19.103 1.819 1.00 85.85 18078 C3 NAG C2311 -44.838 19.103 1.819 1.00 85.85 18079 C4 NAG C2311 -45.605 16.977 2.834 1.00 86.28 18080 C4 NAG C2311 -45.809 00 1.711 1.00 85.85 18080 C5 NAG C2311 -45.809 1.00 0.00 1.711 1.00 85.85 18080 C6 NAG C2311 -45.809 1.00 0.00 1.711 1.00 85.58 18080 C7 NAG C2311 -45.809 1.00 0.00 1.711 1.00 85.58 18080 C7 NAG C2311 -45.809 1.00 0.00 1.711 1.00 85.58 18080 C8 NAG C2311 -45.809 1.00 0.00 1.711 1.00 85.58 18080 C9 NAG C2311 -45.809 1.00 0.00 1.711 1.00 85.58 18080 C9 NAG C2311 -45.809 1.00 0.00 1.711 1.00 85.58 18080 C9 NAG C2311 -45.809 1.00 0.00 1.711 1.00 85.58 18080 C9 NAG C2311 -45.809 1.00 0.00 1.711 1.00 85.58 18080 C9 NAG C2311 -45.809 1.00 0.00 1.711 1.00 85.58 18080 C9 NAG C2311 -45.809 1.00 0.00 1.711 1.00 85.58 18080 C9 NAG C2311 -40.572 1.00 1.00 0.00 0.00 0.00 0.00 0.00 0.0											
18062 C1 NNG C1621 -72.310 24.411 23.483 1.00 74.60 18063 G3 NNG C1621 -71.309 26.401 24.442 1.00 77.20 18064 O3 NNG C1621 -71.306 27.990 24.170 1.00 77.20 18066 O4 NAG C1621 -72.695 26.489 25.427 1.00 78.54 18066 O5 NAG C1621 -73.394 25.023 25.647 1.00 77.85 18068 O5 NAG C1621 -73.407 24.398 24.400 1.00 77.85 18070 O6 NAG C1621 -74.296 24.902 25.975 1.00 78.59 18071 O7 NAG C2311 -44.994 24.902 25.975 1.00 78.69 18071 O7 NAG C2311 -44.936 24.902 25.975 1.00 78.53 18071 O7 NAG C2311 -45.199 20.326 4.123 1.00 86.50 18073 C8 NAG C2311 -43.692 19.775 59.43											
18063 C3 NNG C1621 -71.539 26.601 24.442 1.00 77.28 18064 O3 NNG C1621 -71.539 26.601 24.170 1.00 77.28 18065 C4 NAG C1621 -72.695 26.489 25.427 1.00 78.05 18066 O4 NAG C1621 -72.324 27.130 26.658 1.00 78.54 18066 O5 NAG C1621 -73.094 25.023 25.647 1.00 78.53 18069 O6 NAG C1621 -74.296 24.902 25.597 1.00 78.62 18070 O6 NAG C1621 -75.394 24.202 25.975 1.00 78.53 18071 O7 NAG C2311 -43.98 19.536 4.123 1.00 86.26 18073 C8 NAG C2311 -43.692 19.775 5.943 1.00 86.26 18074 N2 NAG C2311 -43.692 19.775 5.943 1.00 86.54 18074 N2 NAG C2311 -43.692 19.775 5.943 <td></td>											
18064 03 NAG C1621 -71.306 27.990 24.170 1.00 77.20 18065 C4 NAG C1621 -72.695 26.489 25.427 1.00 78.05 18066 O4 NAG C1621 -73.294 27.130 26.658 1.00 78.54 18067 O5 NAG C1621 -73.407 24.388 24.400 1.00 77.85 18070 O6 NAG C1621 -74.296 24.902 25.687 1.00 76.82 18071 O7 NAG C2311 -44.308 19.536 4.591 1.00 86.50 18072 NAG C2311 -44.308 19.536 4.596 1.00 86.50 18074 NA DAG C2311 -43.692 19.775 5943 1.00 86.53 18075 C2 NAG C2311 -43.599 18.377 2.593 1.00 86.53 18076 C2 NAG C2311 -43.692 19.775 5943 1.00 85.54 18077 C3 NAG C2311 -44.831 17.941 2.719 1.00 85.54											
18065 C4 NAG C1621 -72.695 26.489 25.427 1.00 78.05 18066 C5 NAG C1621 -72.695 26.488 25.647 1.00 78.95 18067 C5 NAG C1621 -73.094 25.023 25.647 1.00 77.85 18069 C6 NAG C1621 -74.296 24.902 26.587 1.00 78.69 18070 O6 NAG C1621 -74.296 24.902 25.975 1.00 78.53 18071 O7 NAG C2311 -45.19 20.326 4.123 1.00 86.26 18073 C7 NAG C2311 -43.989 19.775 5.943 1.00 86.26 18074 N2 NAG C2311 -43.959 18.387 4.020 1.00 85.54 18076 C1 NAG C2311 -43.959 18.387 4.020 1.00 85.51 18076 C1 NAG C2311 -44.838 19.103 1.819 1.00 85.85 18077 C3 NAG C2311 -44.838 19.103 1.819	18063	C3									
18066 04 NAG C1621 -72.324 27.130 26.658 1.00 78.54 18067 C5 NAG C1621 -73.407 24.398 24.400 1.00 77.85 18068 05 NAG C1621 -73.407 24.398 24.400 1.00 76.82 18070 06 NAG C1621 -75.394 24.202 25.975 1.00 78.59 18071 07 NAG C2311 -45.119 20.326 4.123 1.00 86.50 18073 C8 NAG C2311 -44.308 19.536 4.596 1.00 86.73 18074 N2 NAG C2311 -43.692 19.775 5.943 1.00 86.73 18074 N2 NAG C2311 -44.309 19.536 4.596 1.00 85.11 18076 C1 NAG C2311 -44.399 18.387 4.020 1.00 85.51 18076 C2 NAG C2311 -44.399 18.387 4.020 1.00 85.51 18076 N2 NAG C2311 -44.838 19.103 18.51 18.00 86.73 18.0			NAG	C:	1621						
18067 C5 NAG C1621 -73.094 25.023 25.647 1.00 77.85 18068 O5 NAG C1621 -74.296 24.902 26.587 1.00 78.69 18070 O6 NAG C1621 -74.296 24.202 25.975 1.00 78.69 18070 O7 NAG C2311 -45.119 20.326 4.123 1.00 86.50 18073 C7 NAG C2311 -44.308 19.536 4.596 1.00 86.26 18074 N2 NAG C2311 -43.959 18.387 4.020 1.00 85.54 18075 C2 NAG C2311 -43.959 18.387 4.020 1.00 85.54 18076 C1 NAG C2311 -44.631 17.941 2.719 1.00 85.54 18077 C3 NAG C2311 -45.605 16.977 2.834 1.00 85.85 18078 O3 NAG C2311 -45.605 16.977 2.834 1.00 85.85 18079 C4 NAG C2311 -45.605 16.977 2.834	18065	C4	NAG	C:	1621	-72.69	5	26.489	25.427	1.00	78.05
18068 05 NAG C1621	18066	04	NAG	C:	1621	-72.32	4	27.130	26.658	1.00	78.54
18069 C6 NAG C1621 -74.296 24.902 26.587 1.00 78.69 18070 O6 NAG C1621 -75.394 24.202 25.975 1.00 78.63 18071 O7 NAG C2311 -45.119 20.326 4.123 1.00 86.53 18073 C7 NAG C2311 -43.692 19.775 5.943 1.00 86.56 18074 N2 NAG C2311 -43.692 19.775 5.943 1.00 86.56 18075 C2 NAG C2311 -44.31 17.941 2.719 1.00 85.54 18076 C1 NAG C2311 -44.831 17.941 2.719 1.00 85.54 18077 C3 NAG C2311 -44.838 19.103 1.819 1.00 85.85 18078 O3 NAG C2311 -44.838 19.103 1.819 1.00 85.85 18078 C3 NAG C2311 -45.605 16.977 2.834 1.00 85.85 18078 O6 NAG C2311 -45.625 19.593 -0.408	18067	C5	NAG	C:	1621	-73.09	4	25.023	25.647	1.00	77.85
18070 O6 NAG C1621 -75.394 24.202 25.975 1.00 78.53 18071 O7 NAG C2311 -45.19 20.326 4.123 1.00 86.50 18073 C8 NAG C2311 -44.308 19.536 4.596 1.00 86.26 18073 C8 NAG C2311 -43.692 19.775 5.443 1.00 86.73 18074 NA NAG C2311 -43.692 19.775 5.443 1.00 85.51 18076 C1 NAG C2311 -44.431 17.941 2.719 1.00 85.51 18078 O3 NAG C2311 -44.838 19.103 1.819 1.00 85.85 18078 O3 NAG C2311 -45.605 16.977 2.834 1.00 85.85 18079 C4 NAG C2311 -45.819 19.103 1.819 1.00 85.85 18079 C4 NAG C2311 -45.187 18.534 0.452 1.00 85.62 18080 C4 NAG C2311 -45.252 19.593 -0.408 1.00 85	18068	05	NAG	C:	1621	-73.40	7	24.398	24.400		76.82
18071 O7 NNG C2311 -45.119 20.326 4.123 1.00 86.50 18073 C7 NAG C2311 -44.308 19.575 5.943 1.00 86.26 18074 N2 NAG C2311 -43.959 19.775 5.943 1.00 86.26 18075 C2 NAG C2311 -44.31 17.941 2.719 1.00 85.54 18076 C1 NAG C2311 -44.631 17.941 2.719 1.00 85.54 18077 C3 NAG C2311 -45.605 16.977 2.834 1.00 82.08 18078 O4 NAG C2311 -45.605 16.977 2.834 1.00 82.08 18079 C4 NAG C2311 -45.625 19.593 -0.408 1.00 86.58 18080 O4 NAG C2311 -45.625 19.593 -0.408 1.00 86.28 18082	18069	C6	NAG	C:	1621	-74.29	6	24.902	26.587	1.00	78.69
18072 C7 NNG C2311	18070	06	NAG	C:	1621	-75.39	4	24.202	25.975	1.00	78.53
18073 C8 NAG C2311 -43.692 19.775 5.943 1.00 86.73 18074 NAG C2311 -43.959 18.387 4.020 1.00 85.54 18076 C2 NAG C2311 -44.431 17.941 2.719 1.00 85.11 18076 C1 NAG C2311 -44.838 19.103 1.819 1.00 85.11 18079 C3 NAG C2311 -43.800 20.090 1.711 1.00 86.58 18080 O4 NAG C2311 -45.625 19.593 -0.408 1.00 86.86 18081 C5 NAG C2311 -46.284 17.482 0.590 1.00 85.86 18082 O5 NAG C2311 -46.525 19.593 -0.408 1.00 86.86 18083 C6 NAG C2311 -45.625 19.593 -0.408 1.00 86.86 18084 O6 NAG C2311 -46.721 1.587 -0.631 1.00 86.86	18071	07	NAG	C	2311	-45.11	9	20.326	4.123	1.00	86.50
18074 N2 NAG C2311	18072	C7	NAG	C	2311	-44.30	8	19.536	4.596	1.00	86.26
18075 C2 NAG C2311 -44.431 17.941 2.719 1.00 85.11 18076 C1 NAG C2311 -44.838 19.103 1.819 1.00 85.85 18078 O3 NAG C2311 -44.830 19.103 1.819 1.00 85.85 18079 C4 NAG C2311 -45.187 18.554 0.452 1.00 86.28 18081 C5 NAG C2311 -45.625 19.593 -0.408 1.00 86.86 18082 C5 NAG C2311 -45.625 19.593 -0.408 1.00 86.86 18083 C6 NAG C2311 -46.525 19.593 -0.408 1.00 86.86 18083 C6 NAG C2311 -45.899 16.472 1.529 1.00 84.80 18084 O6 NAG C2311 -47.501 15.757 -0.613 1.00 86.77 18085	18073	C8	NAG	C	2311	-43.69	2	19.775	5.943	1.00	86.73
18076 C1 NAG C2311 -45.605 16.977 2.834 1.00 82.08 18078 O3 NAG C2311 -43.800 20.090 1.711 1.00 85.58 18079 C4 NAG C2311 -45.187 18.534 0.452 1.00 86.28 18080 O4 NAG C2311 -45.187 18.534 0.452 1.00 86.28 18081 C5 NAG C2311 -45.287 17.482 0.590 1.00 85.68 18082 O5 NAG C2311 -46.284 17.482 0.590 1.00 85.68 18083 C6 NAG C2311 -46.572 16.841 -0.763 1.00 86.43 18085 O7 NAG C2411 -75.042 10.172 -2.240 1.00 55.28 18087 C8 NAG C2411 -75.585 10.527 -1.211 1.00 55.28 18089	18074	N2	NAG	C	2311	-43.95	9	18.387	4.020	1.00	85.54
18077 C3 NAG C2311 -44.838 19.103 1.819 1.00 85.85 18078 O3 NAG C2311 -43.800 20.900 1.711 1.00 86.58 18080 O4 NAG C2311 -45.187 18.534 0.452 1.00 86.28 18081 C5 NAG C2311 -46.284 17.482 0.590 1.00 86.86 18083 C6 NAG C2311 -46.572 16.841 -0.763 1.00 86.73 18084 O6 NAG C2311 -47.501 15.757 -0.613 1.00 86.77 18085 O7 NAG C2411 -75.542 10.172 -2.240 1.00 55.28 18086 C7 NAG C2411 -75.885 10.527 -1.211 1.00 55.28 18087 C8 NAG C2411 -76.717 9.971 -0.818 1.00 55.77 18090	18075	C2	NAG	C	2311	-44.43	1	17.941	2.719	1.00	85.11
18078 03 NAG C2311 -43.800 20.090 1.711 1.00 86.58 18080 04 NAG C2311 -45.625 19.593 -0.408 1.00 86.28 18081 C5 NAG C2311 -45.625 19.593 -0.408 1.00 86.86 18081 C5 NAG C2311 -46.284 17.482 0.590 1.00 85.68 18084 G6 NAG C2311 -46.572 16.841 -0.763 1.00 86.43 18085 O7 NAG C2411 -75.042 10.172 -2.240 1.00 55.28 18086 C7 NAG C2411 -75.082 10.172 -2.240 1.00 55.28 18087 C8 NAG C2411 -75.084 10.60 -0.559 1.00 55.28 18089 NAG C2411 -76.717 9.971 -0.818 1.00 55.77 18099 C3	18076	C1	NAG	C2	2311	-45.60	5	16.977	2.834	1.00	82.08
18079 C4 NAG C2311 -45.187 18.534 0.452 1.00 86.28 18080 O4 NAG C2311 -45.225 19.593 -0.408 1.00 86.86 18081 C5 NAG C2311 -46.284 17.482 0.590 1.00 85.86 18083 C6 NAG C2311 -46.572 16.841 -0.763 1.00 86.71 18085 O7 NAG C2311 -47.501 15.757 -0.613 1.00 86.77 18086 C7 NAG C2411 -75.585 10.527 -1.211 1.00 55.28 18087 C8 NAG C2411 -75.884 11.660 -0.359 1.00 55.77 18089 C1 NAG C2411 -77.99 8.82 -1.569 1.00 55.02 18099 C1 NAG C2411 -77.656 7.748 -0.640 1.00 54.04 18091	18077	C3	NAG	C2	2311	-44.83	8	19.103	1.819	1.00	85.85
18080 04 NAG C2311 -45.625 19.593 -0.408 1.00 86.86 18081 C5 NAG C2311 -46.284 17.482 0.590 1.00 85.68 18082 O5 NAG C2311 -46.589 16.472 1.529 1.00 86.43 18084 O6 NAG C2311 -47.501 15.757 -0.613 1.00 86.43 18085 O7 NAG C2411 -75.042 10.172 -2.240 1.00 55.28 18087 C8 NAG C2411 -75.084 11.660 -0.359 1.00 55.28 18088 C2 NAG C2411 -76.717 9.971 -0.818 1.00 55.77 18099 C1 NAG C2411 -77.656 7.748 -0.600 1.00 55.02 18091 C3 NAG C2411 -77.656 7.748 -0.600 1.00 54.04 18093 C3 NAG C2411 -78.217 10.393 -3.177 1.00	18078	03	NAG	C2	2311	-43.80	0	20.090	1.711	1.00	86.58
18081 C5 NAG C2311 -46.284 17.482 0.590 1.00 85.68 18082 O5 NAG C2311 -46.572 16.841 -0.763 1.00 86.43 18084 O6 NAG C2311 -47.501 15.757 -0.613 1.00 86.77 18085 O7 NAG C2411 -75.042 10.172 -2.240 1.00 55.28 18087 C8 NAG C2411 -75.585 10.527 -1.211 1.00 55.28 18089 NAG C2411 -76.717 9.971 -0.818 1.00 55.77 18089 C1 NAG C2411 -77.690 8.82 -1.569 1.00 55.02 18099 C1 NAG C2411 -77.690 8.82 -1.569 1.00 55.07 18091 C3 NAG C2411 -77.656 7.748 -0.604 1.00 54.04 18093 C3	18079	C4	NAG	C2	2311	-45.18	7	18.534	0.452	1.00	86.28
18082 O5 NAG C2311 -45.899 16.472 1.529 1.00 84.80 18084 O6 NAG C2311 -47.501 15.757 -0.613 1.00 86.43 18085 O7 NAG C2411 -75.042 10.172 -2.240 1.00 55.28 18086 C7 NAG C2411 -75.084 11.660 -0.359 1.00 55.62 18088 C8 NAG C2411 -76.717 9.971 -0.818 1.00 55.62 18089 C2 NAG C2411 -77.290 8.882 -1.569 1.00 55.77 18091 C3 NAG C2411 -77.656 7.748 -0.640 1.00 54.04 18093 C3 NAG C2411 -78.217 10.393 -2.254 1.00 58.90 18093 C4 NAG C2411 -78.217 10.393 -3.177 1.00 60.48 18094	18080	04	NAG	C	2311	-45.62	5	19.593	-0.408	1.00	86.86
18083 C6 NNG C2311 -46.572 16.841 -0.763 1.00 86.43 18084 O6 NNG C2411 -47.501 15.757 -0.613 1.00 86.77 18085 O7 NAG C2411 -75.042 10.172 -2.240 1.00 55.28 18087 C8 NAG C2411 -75.585 10.527 -1.211 1.00 55.28 18088 NAG C2411 -76.717 9.971 -0.818 1.00 55.77 18099 C1 NAG C2411 -77.690 8.882 -1.569 1.00 54.04 18091 C3 NAG C2411 -77.656 7.748 -0.640 1.00 54.04 18092 O3 NAG C2411 -78.557 9.352 -2.254 1.00 58.50 18093 C4 NAG C2411 -79.242 8.184 -2.960 1.00 57.98 18094 O4	18081	C5	NAG	C	2311	-46.28	4	17.482	0.590	1.00	85.68
18084 06 NAG C2311 -47.501 15.757 -0.613 1.00 86.77 18085 07 NAG C2411 -75.042 10.172 -2.240 1.00 55.28 18086 C7 NAG C2411 -75.585 10.527 -1.211 1.00 55.62 18088 C8 NAG C2411 -75.084 11.660 -0.359 1.00 55.62 18089 C2 NAG C2411 -77.290 8.882 -1.569 1.00 55.90 18091 C3 NAG C2411 -77.656 7.748 -0.640 1.00 54.04 18093 O3 NAG C2411 -78.217 10.393 -3.177 1.00 60.48 18093 C4 NAG C2411 -78.217 10.393 -3.177 1.00 60.48 18093 C4 NAG C2411 -79.242 8.184 -2.960 1.00 57.98 18094 O4 NAG C2411 -80.546 8.586 -3.368 1.00 <td< td=""><td>18082</td><td>05</td><td>NAG</td><td>C</td><td>2311</td><td>-45.89</td><td>9</td><td>16.472</td><td>1.529</td><td>1.00</td><td>84.80</td></td<>	18082	05	NAG	C	2311	-45.89	9	16.472	1.529	1.00	84.80
18085 O7 NAG C2411 -75.042 10.172 -2.240 1.00 55.28 18086 C7 NAG C2411 -75.585 10.527 -1.211 1.00 55.28 18087 C8 NAG C2411 -75.084 11.660 -0.359 1.00 55.28 18089 C2 NAG C2411 -76.717 9.971 -0.818 1.00 55.77 18090 C1 NAG C2411 -77.690 8.882 -1.569 1.00 54.04 18091 C3 NAG C2411 -78.557 9.352 -2.254 1.00 64.04 18093 C3 NAG C2411 -78.217 10.393 -3.177 1.00 60.48 18094 O4 NAG C2411 -80.546 8.586 -3.368 1.00 61.79	18083	C6	NAG	C	2311	-46.57	2	16.841	-0.763	1.00	86.43
18086 C7 NAG C2411 -75.585 10.527 -1.211 1.00 55.28 18087 C8 NAG C2411 -75.804 11.60 -0.359 1.00 55.28 18088 NAG C2411 -76.717 9.971 -0.818 1.00 55.77 18090 C1 NAG C2411 -77.290 8.882 -1.569 1.00 55.90 18090 C1 NAG C2411 -78.557 9.352 -2.254 1.00 54.04 18092 O3 NAG C2411 -79.217 10.393 -3.177 1.00 60.48 18093 C4 NAG C2411 -80.546 8.566 -3.368 1.00 61.79	18084	06	NAG	C	2311	-47.50	1	15.757	-0.613	1.00	86.77
18087 C8 NAG C2411 -75.084 11.660 -0.359 1.00 55.62 18088 N2 NAG C2411 -76.717 9.971 -0.818 1.00 55.77 18089 C2 NAG C2411 -77.290 8.882 -1.569 1.00 55.90 18091 C3 NAG C2411 -78.557 9.352 -2.254 1.00 58.04 18092 O3 NAG C2411 -78.217 10.393 -3.177 1.00 60.48 18093 C4 NAG C2411 -80.546 8.586 -3.368 1.00 61.94	18085	07	NAG	C	2411	-75.04	2	10.172	-2.240	1.00	55.28
18087 C8 NAG C2411 -75.084 11.660 -0.359 1.00 55.62 18088 N2 NAG C2411 -76.717 9.971 -0.818 1.00 55.77 18089 C2 NAG C2411 -77.290 8.882 -1.569 1.00 55.90 18091 C3 NAG C2411 -78.557 9.352 -2.254 1.00 58.04 18092 O3 NAG C2411 -78.217 10.393 -3.177 1.00 60.48 18093 C4 NAG C2411 -80.546 8.586 -3.368 1.00 61.94	18086	C7	NAG	C	2411	-75.58	5	10.527	-1.211	1.00	55.28
18088 N2 NAG C2411 -76.717 9.971 -0.818 1.00 55.77 18089 C2 NAG C2411 -77.290 8.882 -1.569 1.00 55.90 18090 C1 NAG C2411 -77.656 7.748 -0.640 1.00 54.04 18091 C3 NAG C2411 -78.557 9.352 -2.254 1.00 58.50 18092 O3 NAG C2411 -78.217 10.393 -3.177 1.00 60.48 18093 C4 NAG C2411 -79.242 8.184 -2.960 1.00 57.98 18094 O4 NAG C2411 -80.564 8.556 -3.368 1.00 61.94											
18089 C2 NAG C2411 -77.290 8.882 -1.569 1.00 55.90 18090 C1 NAG C2411 -77.656 7.748 -0.640 1.00 54.04 18091 C3 NAG C2411 -78.557 9.352 -2.254 1.00 58.50 18092 C3 NAG C2411 -78.217 10.393 -3.177 1.00 60.48 18093 C4 NAG C2411 -79.242 8.184 -2.960 1.00 57.98 18094 O4 NAG C2411 -80.546 8.586 -3.368 1.00 61.94											
18090 C1 NAG C2411 -77.656 7.748 -0.640 1.00 54.04 18091 C3 NAG C2411 -78.557 9.352 -2.254 1.00 58.50 18092 O3 NAG C2411 -78.217 10.393 -3.177 1.00 60.48 18093 C4 NAG C2411 -79.242 8.184 -2.960 1.00 57.98 18094 O4 NAG C2411 -80.564 8.556 -3.368 1.00 61.94											
18091 C3 NAG C2411											
18093 O3 NAG C2411 -78.217 10.393 -3.177 1.00 60.48 18093 C4 NAG C2411 -79.242 8.184 -2.960 1.00 57.98 18094 O4 NAG C2411 -80.546 8.586 -3.368 1.00 61.94											
18093 C4 NAG C2411 -79.242 8.184 -2.960 1.00 57.98 18094 O4 NAG C2411 -80.546 8.586 -3.368 1.00 61.94											
18094 O4 NAG C2411 -80.546 8.586 -3.368 1.00 61.94											
	18095	C5						6.976	-2.034		

FIGURE 3 MQ

A	В	С	D	Е		F	G	Н		1	J
18096	05	NAG	C2	411	-78.	125	6.674	-1.4	37	1 00	54.85
18097	C6	NAG			-79.		5.738	-2.7			57.15
18098	06	NAG			-80.		5.047	-1.9		1.00	57.43
18099	07	NAG			-84.		5.860	-2.3		1.00	72.47
18100	C7	NAG			-83.		6.962	-2.8		1.00	73.43
18101	C8	NAG			-83.		8.216	-2.0		1.00	72.70
18102	N2	NAG			-83.		7.125	-3.9		1.00	73.75
18103	C2	NAG			-82.		8.448	-4.4		1.00	74.18
18104	C1	NAG			-81.		8.630	-4.5		1.00	71.93
18105	СЗ	NAG			-83.		8.739	-5.7		1.00	75.49
18106	03	NAG			-84.		8.644	-5.6		1.00	75.59
18107	C4	NAG			-83.		10.149	-6.2		1.00	76.52
18108	04	NAG			-83.		10.490	-7.4		1.00	80.35
18109	C5	NAG	C2	412	-81.		10.249	-6.3		1.00	75.48
18110	05	NAG			-80.		9.961	-5.0		1.00	73.95
18111	C6	NAG	C2	412	-81.	064	11.638	-6.7	89	1.00	75.01
18112	06	NAG			-81.		12.632	-5.8		1.00	74.46
18113	06	MAN	C2	413	-86.	351	13.692	-8.0	34	1.00	93.60
18114	C6	MAN	C2	413	-86.	318	13.247	-9.3	96	1.00	92.70
18115	C5	MAN	C2	413	-85.	247	12.175	-9.5	48	1.00	91.67
18116	05	MAN	C2	413	-85.	404	11.229	-8.4		1.00	90.56
18117	C4	MAN	C2	413	-85.	365	11.486	-10.9	05	1.00	91.36
18118	04	MAN	C2	413	-85.	075	12.418	-11.9	49	1.00	92.46
18119	C3	MAN	C2	413	-84.	399	10.313	-11.0	10	1.00	90.86
18120	03	MAN	C2	413	-84.	652	9.578	-12.2	11	1.00	91.25
18121	C2	MAN	C2	413	-84.	545	9.392	-9.8		1.00	90.25
18122	02	MAN	C2	413	-85.	824	8.748	-9.8	48	1.00	89.98
18123	C1	MAN	C2	413	-84.	419	10.199	-8.5	28	1.00	88.38
18124	06	MAN	C2	414	-80.	241	11.930	-11.9	40	1.00	99.01
18125	C6	MAN	C2	414	-80.	791	10.937	-12.8	10	1.00	98.42
18126	C5	MAN	C2	414	-82.	264	11.255	-13.0	29	1.00	97.98
18127	05	MAN	C2	414	-82.	550	12.540	-12.4	79	1.00	97.59
18128	C4	MAN	C2	414	-82.	631	11.205	-14.5	09	1.00	97.88
18129	04	MAN	C2	414	-82.	502	9.856	-14.9	66	1.00	97.78
18130	C3	MAN			-84.		11.686	-14.7			97.54
18131	03	MAN	C2	414	-84.		11.881	-16.1	44	1.00	97.99
18132	C2	MAN	C2	414	-84.		13.003	-14.0	31	1.00	97.34
18133	02	MAN			-83.		14.032	-14.6		1.00	97.01
18134	C1	MAN			-83.		12.879	-12.5		1.00	96.30
18135	07	NAG			-70.		28.515	-2.2		1.00	81.63
18136	C7	NAG			-70.		28.468	-1.1		1.00	80.91
18137	C8	NAG			-69.		29.480	-0.4		1.00	81.17
18138	N2	NAG			-70.		27.564	-0.2		1.00	79.93
18139	C2	NAG			-71.		26.557	-0.7		1.00	79.07
18140	C1	NAG			-71.		25.188	-0.1		1.00	77.34
18141	C3	NAG			-73.		26.975	-0.4		1.00	79.10
18142	03	NAG			-73.		28.245	-1.0		1.00	79.59
18143	C4	NAG			-74.		25.910	-0.9		1.00	79.26
18144	04	NAG			-75.		26.257	-0.6		1.00	79.01
18145	C5	NAG			-73.		24.559	-0.3		1.00	78.61
18146	05	NAG	C2	931	-72.	309	24.237	-0.6	74	1.00	78.29

FIGURE 3 MR

A	В	С	D	E		F	(G	Н	I	J
18147	C6	NAG	C29	931	-74	.600	23.4	156	-0.894	1.00	78.34
	06	NAG				017	22.7		-2.020	1.00	77.59
	07	NAG				.689	-19.8		-4.727	1.00	74.43
18150	C7	NAG				690	-18.6		-4.805	1.00	73.65
	C8	NAG			-62	493	-17.8	371	-5.291	1.00	74.34
	N2	NAG				.780	-17.9		-4.552	1.00	72.43
18153	C2	NAG	C33	331	-66	.007	-18.5	533	-4.085	1.00	70.84
18154	C1	NAG	C33	331	-66	.710	-17.6	532	-3.082	1.00	67.96
18155	C3	NAG	C33	331	-66	.970	-18.8	379	-5.213	1.00	70.62
18156	03	NAG	C33	331	-66	.363	-19.8	327	-6.102	1.00	71.81
18157	C4	NAG	C33	331	-68	.250	-19.4	180	-4.633	1.00	70.09
18158	04	NAG	C33	331	-69	.255	-19.5	87	-5.653	1.00	69.60
18159	C5	NAG	C33	331	-68	.788	-18.6	552	-3.465	1.00	69.57
18160	05	NAG	C33	331	-67	.764	-18.3	390	-2.505	1.00	69.44
18161	C6	NAG					-19.3		-2.753	1.00	69.16
18162	06	NAG	C33	331	-69	.339	-20.3	318	-1.841	1.00	68.15
	N	SER		13			-42.3		47.327	1.00	61.36
	CA	SER		13			-40.9		47.415	1.00	60.89
	CB	SER		13			-40.2		48.428	1.00	60.96
18166	OG	SER		13	-111				47.896	1.00	60.88
	C	SER		13			-40.7		47.785	1.00	60.77
	0	SER		13			-40.4		48.951	1.00	60.94
	N	ARG		14	-108		-40.9		46.789	1.00	60.00
	CA	ARG		14			-40.8		46.975	1.00	59.08
	CB	ARG		14	-105		-42.2		47.149	1.00	59.38
	CG	ARG		14			-42.3		46.898	1.00	60.79
	CD	ARG		14	-104				45.625	1.00	64.29
	NE	ARG		14			-44.1		45.797	1.00	66.91
	CZ NH1	ARG ARG	D	14 14	-101 -101		-44.1 -43.2		45.018	1.00	67.92
	NH2	ARG		14			-45.0		44.013 45.240	1.00	67.83
18177	NH2	ARG		14	-101		-40.0		45.240	1.00	57.85
	0	ARG		14	-103		-39.7		45.891	1.00	57.68
	N	LYS	D	15	-106		-39.6		44.878	1.00	56.24
	CA	LYS		15			-38.7		43.833	1.00	54.85
	CB		D	15	-107		-38.9		42.556	1.00	55.33
	CG	LYS	D	15	-106		-39.8		41.516	1.00	56.61
	CD		D	15	-107		-40.0		40.380	1.00	58.88
	CE	LYS	D	15	-108		-40.5		40.922	1.00	59.93
	NZ	LYS	D	15	-109		-40.5		39.890	1.00	61.34
	С	LYS		15	-106		-37.2		44.300	1.00	53.25
	ō	LYS		15	-107		-37.0		45.041	1.00	53.26
	N	THR		16	-105		-36.4		43.878	1.00	51.06
18190	CA	THR	D	16	-105	.809	-34.9	086	44.147	1.00	48.79
18191	CB	THR	D	16	-104	.599	-34.3	376	44.883	1.00	48.98
18192	OG1	THR	D	16	-103	.392	-34.6	65	44.159	1.00	48.23
18193	CG2	THR	D	16	-104		-35.0		46.233	1.00	49.02
18194	С	THR	D	16	-105	.968	-34.2	292	42.811	1.00	47.23
18195	0	THR	D	16	-105	633	-34.8	353	41.775	1.00	46.86
	N	TYR		17			-33.0		42.834	1.00	45.40
18197	CA	TYR	D	17	-106	.595	-32.2	276	41.634	1.00	43.29

FIGURE 3 MS

A	В	С	D	E	F		G	H	I	J
18198	CB	TYR		17	-107.5		.146	41.87		
18199	CG	TYR		17	-107.83			40.70		
18200	CD1	TYR		17	-108.7		.484	39.73		
18201	CE1	TYR		17	-108.98			38.68		
18202	CZ	TYR		17	-108.22		.465	38.58		
18203	OH	TYR		17	-108.3			37.54		
18204	CE2	TYR		17	-107.2			39.54		
18205	CD2	TYR		17	-107.0		.044	40.58		
18206	С	TYR		17	-105.18		.736	41.38		
18207	0	TYR		17	-104.62		.033	42.22		
18208	N	THR		18	-104.5			40.24		
18209	CA	THR		18	-103.2			39.93		
18210	CB	THR		18	-102.5		.825	39.18		
18211	0G1	THR		18	-103.22			37.97		
18212	CG2	THR		18	-102.59			39.93		
18213	С	THR		18	-103.1			39.03		
18214	0	THR		18	-104.1		.972	38.56		
18215	N	LEU		19	-101.8		.118	38.75		
18216	CA		D	19	-101.5		.002	37.88		
18217	CB	LEU		19	-100.1		.637	37.97		
18218	CG	LEU		19	-99.6			37.09		
18219	CD1	LEU		19	-100.42		.230	37.45		
18220	CD2	LEU		19	-98.1		.279	37.27		
18221	C	LEU		19	-101.95			36.47		
18222	0	LEU		19	-102.63			35.78		
18223	N	THR		20	-101.5			36.02		
18224	CA	THR		20	-101.8			34.69		
18225	CB	THR		20	-101.33		.419	34.42		
18226	0G1	THR		20	-99.92		.461	34.69		
18227	CG2	THR		20	-101.3		.730	32.93		
18228	C	THR		20	-103.39		.921	34.59		
18229	0	THR		20	-103.92			33.63		
18230	N	ASP		21	-104.10		.419	35.60		
18231	CA	ASP		21	-105.55			35.57		
18232	CB	ASP		21	-106.16			36.91		
18233	CG	ASP	D	21	-105.92			37.23		
18234	OD1	ASP		21	-105.80		.096	36.29		
18235	OD2	ASP		21	-105.83		.709	38.40		
18236	С	ASP		21	-106.03		.977	35.20		
18237	0	ASP		21	-106.88		.814	34.31		
18238	N	TYR		22	-105.49		.972	35.89		
18239	CA	TYR		22	-105.86		.586	35.64		
18240	CB	TYR		22	-105.25		.665	36.71		
18241 18242	CG CD1	TYR		22 22	-105.3°		.196	36.39		
	CD1	TYR						36.14		
18243	CE1	TYR		22 22	-106.73 -105.5		.265	35.83		
18244	CZ	TYR						35.81		
18245 18246	OH CE2	TYR		22 22	-105.64 -104.34		.142	35.52		
	CD2	TYR		22	-104.3			36.07		
18247 18248	CD2	TYR		22	-104.2			36.35		39.58 41.60
18548	C	TIK	D	22	-105.40	10 -21	.14/	34.28	, T.00	41.00

FIGURE 3 MT

A	В	C	D	E	F		G	H	I	J
10040	^	mirro	_	22	100.10			22 540	1 00	41 54
18249	0	TYR		22	-106.16			33.540	1.00	41.54
18250	N	LEU	D	23	-104.16			33.949	1.00	42.15
18251	CA	LEU		23	-103.61		.034	32.658	1.00	42.86
18252	CB	LEU		23	-102.09		.209	32.617		42.53
18253	CG	LEU		23	-101.33		.426	33.688	1.00	42.98
18254	CD1	LEU		23	-99.84		.401	33.402	1.00	40.18
18255	CD2	LEU		23	-101.89		.010	33.790	1.00	42.48
18256	С	LEU		23	-104.25		.732	31.465	1.00	43.63
18257	0	LEU		23	-104.32		.165	30.384	1.00	43.71
18258	N		D	24	-104.71		.962	31.656	1.00	44.61
18259	CA	LYS		24	-105.30		.703	30.547	1.00	45.83
18260	CB		D	24	-104.70		.103	30.447	1.00	45.69
18261	CG	LYS		24	-103.18		.110	30.303	1.00	45.41
18262	CD	LYS		24	-102.73		.517	28.978	1.00	44.15
18263	CE	LYS		24	-101.21		.572	28.859	1.00	43.82
18264	NZ	LYS		24	-100.71		.178	27.505	1.00	44.06
18265	С	LYS	D	24	-106.82		.779	30.626	1.00	46.53
18266	0	LYS		24	-107.45		.475	29.835	1.00	46.70
18267	N	ASN		25	-107.41		.064	31.582	1.00	47.48
18268	CA	ASN	D	25	-108.86		.017	31.719	1.00	48.45
18269	CB	ASN		25	-109.48		.246	30.558	1.00	48.72
18270	CG	ASN		25	-110.64		.378	30.999	1.00	51.15
18271		ASN		25	-111.79		.803	30.980	1.00	52.66
18272	ND2	ASN		25	-110.33		.144	31.413	1.00	53.94
18273	С	ASN		25	-109.43		.422	31.780	1.00	48.69
18274	0	ASN		25	-110.33		.786	31.017	1.00	48.74
18275	N	THR		26	-108.89			32.693	1.00	48.91
18276	CA	THR		26	-109.31			32.857	1.00	49.28
18277	CB	THR		26	-108.37			33.827	1.00	49.12
18278	OG1	THR		26	-107.08		.419	33.212	1.00	48.89
18279	CG2	THR		26	-108.82		.718	34.060	1.00	49.93
18280	C	THR		26	-110.74			33.360	1.00	49.63
18281	0	THR		26	-111.60			32.786	1.00	49.55
18282	N	TYR		27	-111.00		.889	34.433	1.00	49.75
18283	CA	TYR		27	-112.34		.832	34.976	1.00	50.33
18284	CB	TYR		27	-112.30		.858	36.497	1.00	50.13
18285	CG	TYR		27	-111.49		.013	37.032	1.00	50.17
18286	CD1	TYR		27	-112.07		.262	37.225	1.00	50.65
18287	CE1	TYR		27	-111.33		.324	37.711	1.00	50.13
18288	CZ	TYR		27	-109.99		.147	38.002	1.00	50.51
18289	OH	TYR		27	-109.25		.199	38.482	1.00	49.41
18290	CE2	TYR		27	-109.39		.916	37.816	1.00	50.11
18291	CD2	TYR	D	27	-110.14	16 -32	.863	37.328	1.00	50.05
18292	C	TYR		27	-113.01		.583	34.437	1.00	50.72
18293	0	TYR		27	-112.84		.491	34.963	1.00	51.02
18294	N	ARG		28	-113.77			33.363	1.00	51.36
18295	CA	ARG	D	28	-114.39		.642	32.675	1.00	51.80
18296	CB	ARG	D	28	-114.63		.994	31.207	1.00	52.11
18297	CG	ARG		28	-114.69		.786	30.286	1.00	54.37
18298	CD	ARG		28	-114.25		.082	28.857	1.00	58.10
18299	NE	ARG	D	28	-113.02	4 -29	.880	28.828	1.00	60.38

FIGURE 3 MU

A	В	С	D	E	F		G	H	I	J
18300	CZ	ARG	D	28	-112.57	3 - 30	513	27.749	1.00	62.20
18301	NH1	ARG		28	-113.24			26.601	1.00	61.96
18302	NH2	ARG		28	-111.44			27.812	1.00	62.10
18303	C	ARG		28	-115.70			33.328	1.00	51.52
18304	0	ARG		28	-116.43			33.891	1.00	51.32
18305	N	LEU		29	-115.98			33.246	1.00	51.44
					-117.18					
18306	CA	LEU		29				33.823	1.00	51.71
18307	CB			29	-116.86			34.464	1.00	51.76
18308	CG	LEU		29	-117.39			35.863	1.00	51.86
18309	CD1	LEU		29	-117.17			36.199	1.00	52.54
18310	CD2	LEU		29	-116.72			36.896	1.00	50.90
18311	C	LEU	D	29	-118.17			32.695	1.00	51.86
18312	0	LEU		29	-117.82			31.636	1.00	51.83
18313	N	LYS	D	30	-119.41			32.907	1.00	52.21
18314	CA		D	30	-120.42			31.867	1.00	52.67
18315	CB		D	30	-121.30			31.761	1.00	53.06
18316	CG	LYS	D	30	-120.82			30.716	1.00	54.05
18317	CD	LYS		30	-121.61			30.788	1.00	55.73
18318	CE	LYS	D	30	-121.27			29.608	1.00	56.45
18319	NZ	LYS		30	-121.14			28.371	1.00	56.95
18320	C	LYS		30	-121.27			32.038	1.00	52.47
18321	0	LYS		30	-121.77			33.119	1.00	52.14
18322	N	LEU		31	-121.42			30.934	1.00	52.69
18323	CA	LEU		31	-122.20			30.863	1.00	52.74
18324	CB	LEU		31	-121.41			30.098	1.00	52.95
18325	CG	LEU		31	-120.11			30.623	1.00	53.54
18326	CD1	LEU		31	-119.00			30.673	1.00	53.94
18327	CD2	LEU		31	-119.69			29.736	1.00	54.17
18328	С	LEU		31	-123.46			30.069	1.00	52.59
18329	0	LEU	D	31	-123.58	-25.	535	29.388	1.00	52.54
18330	N	TYR	D	32	-124.41	7 -23.	613	30.138	1.00	52.53
18331	CA	TYR	D	32	-125.57	7 -23.	720	29.271	1.00	52.53
18332	CB	TYR	D	32	-126.79	7 -24.	261	30.009	1.00	52.27
18333	CG	TYR	D	32	-127.86	4 -24.	763	29.075	1.00	52.18
18334	CD1	TYR	D	32	-128.70	3 -23.	877	28.419	1.00	52.00
18335	CE1	TYR	D	32	-129.68	-24.	324	27.558	1.00	52.36
18336	CZ	TYR	D	32	-129.84	1 -25.	676	27.340	1.00	52.56
18337	OH	TYR	D	32	-130.83	3 -26.	103	26.477	1.00	53.81
18338	CE2	TYR	D	32	-129.01	7 -26.	583	27.975	1.00	52.66
18339	CD2	TYR	D	32	-128.02	9 -26.	123	28.839	1.00	52.25
18340	C	TYR	D	32	-125.83	4 -22.	348	28.680	1.00	52.56
18341	0	TYR	D	32	-126.61	-21.	563	29.206	1.00	52.46
18342	N	SER	D	33	-125.15	3 -22.	062	27.579	1.00	52.86
18343	CA	SER	D	33	-125.25	1 -20.	755	26.964	1.00	53.35
18344	CB	SER	D	33	-123.94		435	26.249	1.00	53.42
18345	OG	SER	D	33	-123.58	-19.	079	26.443	1.00	55.27
18346	C	SER		33	-126.41			25.986	1.00	53.35
18347	0	SER		33	-126.49			25.061	1.00	53.27
18348	N	LEU		34	-127.31			26.191	1.00	53.41
18349	CA	LEU		34	-128.45			25.299	1.00	53.44
18350	CB	LEU	D	34	-129.74	5 -20.	092	25.968		53.10

FIGURE 3 MV

18351 CG LEU D 34
18352 CD1 LEU D 34 -130.978 -18.081 26.859 1.00 52.97 18353 CD2 LEU D 34 -128.632 -18.172 24.835 1.00 53.80 18355 N LEU D 34 -128.632 -18.172 24.835 1.00 53.80 18357 CA ARG D 35 -129.723 -16.701 23.237 1.00 55.37 18358 CB ARG D 35 -129.723 -16.701 23.237 1.00 55.37 18359 CG ARG D 35 -127.543 -16.885 21.931 1.00 55.75 18361 NE ARG D 35 -125.559 -17.203 20.966 1.00 64.78 18361 NE ARG D 35 -125.808 -15.760 18.711 1.00 65.88 18363 NH1 ARG D 35
18353 CDZ LEU D 34 -128.632 -18.11.099 -20.262 22.666 1.00 53.49 18354 C LEU D 34 -128.632 -18.172 24.835 1.00 53.49 18355 O LEU D 34 -128.063 -17.245 25.406 1.00 53.33 18356 N ARG D 35 -129.430 -16.701 23.237 1.00 54.56 18359 CB ARG D 35 -129.021 -16.528 21.994 1.00 55.72 18360 CD ARG D 35 -127.543 -16.698 21.931 1.00 55.72 18361 NE ARG D 35 -125.028 -16.391 19.565 1.00 65.80 18363 NH IARG D 35 -125.028 -16.391 19.565 1.00 65.80 18364 NB 2 ARG D 35 -123.714 -16.211 19.546 1.00 55.75 <tr< td=""></tr<>
18354 C LEU D 34 -128.632 - 18.172 24.835 1.00 53.80 18355 N ARG D 35 -129.430 - 18.008 23.787 1.00 53.33 18356 N ARG D 35 -129.430 - 18.008 23.787 1.00 55.37 18357 CA ARG D 35 -129.723 - 16.701 23.237 1.00 55.37 18358 CB ARG D 35 -129.721 - 16.528 21.994 1.00 55.37 18360 CD ARG D 35 -127.543 - 16.885 21.931 1.00 55.21 18361 NE ARG D 35 -126.992 - 17.461 20.301 1.00 62.08 18361 NE ARG D 35 -125.559 - 17.203 20.496 1.00 64.78 18362 CZ ARG D 35 -125.808 - 15.760 18.711 1.00 65.88 18365 C ARG D 35 -123.714 - 16.211 19.546 1.00 65.88 18366 C ARG D 35 -131.800 - 17.317 22.245 1.00 55.67 18367 N TRP D 36 -131.800 - 17.317
18355 O LEU D 34 -128.063 - 17.245 25.406 1.00 53.33 18356 N ARG D 35 -129.430 - 18.008 23.787 1.00 54.56 18357 CA ARG D 35 -129.723 - 16.701 23.237 1.00 55.57 18358 CB ARG D 35 -129.021 - 16.528 21.894 1.00 55.72 18359 CG ARG D 35 -127.543 - 16.885 21.931 1.00 58.21 18361 NE ARG D 35 -126.992 - 17.461 20.303 1.00 62.08 18362 CZ ARG D 35 -125.559 - 17.203 20.496 1.00 65.80 18363 NHJ ARG D 35 -125.028 - 16.391 19.565 1.00 65.80 18364 NH2 ARG D 35 -125.028 - 16.391 19.565 1.00 65.80 18365 C ARG D 35 -123.714 - 16.211 19.546 1.00 65.79 18366 C ARG D 35 -131.800 - 17.317 22.255 1.00 55.67 18367 N TRP D 36 -131.800 - 17.317 22.255 1.00 55
18356 N ARG D 35 -129.430 - 18.008 23.787 1.00 54.56 18357 CA ARG D 35 -129.723 - 16.701 23.237 1.00 55.72 18358 CB ARG D 35 -129.021 - 16.528 21.894 1.00 55.72 18359 CG ARG D 35 -127.543 - 16.885 21.931 1.00 55.72 18361 NE ARG D 35 -127.543 - 16.885 21.931 1.00 58.21 18361 NE ARG D 35 -125.559 - 17.203 20.496 1.00 64.78 18363 NH1 ARG D 35 -125.802 - 16.391 19.585 1.00 65.88 18364 NH2 ARG D 35 -125.808 - 15.760 18.711 1.00 65.88 18366 C ARG D 35 -121.141 - 16.211 19.546 1.00 65.79 18367 N TRP D 36 -131.800 - 17.317 22.245 1.00 55.45 18369 CA TRP D 36 -131.800 - 17.317 22.255 1.00 55.58 18370 CG TRP D 36 -133.861 - 15.519 23.604 1.00
18357 CA ARG D 35 -129.723 - 16.701 23.237 1.00 55.37 18358 CB ARG D 35 -129.021 - 16.528 2.1894 1.00 55.37 18360 CD ARG D 35 -127.543 -16.885 21.931 1.00 58.21 18360 CD ARG D 35 -125.559 -17.203 20.496 1.00 64.78 18363 NH1 ARG D 35 -125.028 -16.391 19.585 1.00 65.80 18364 NH2 ARG D 35 -125.028 -16.391 19.585 1.00 65.80 18364 NH2 ARG D 35 -123.714 -16.211 19.546 1.00 65.79 18366 O ARG D 35 -131.800 -17.317 22.245 1.00 55.67 18367 N TRP D 36 -131.800
1835B CB ARG D 35 -127.543 -16.528 21.984 1.00 55.72 18360 CD ARG D 35 -127.543 -16.892 21.931 1.00 55.72 18361 NE ARG D 35 -125.559 -17.203 20.496 1.00 64.78 18362 CZ ARG D 35 -125.5029 -16.391 19.585 1.00 65.88 18363 NH ARG D 35 -123.714 -16.211 19.546 1.00 65.88 18363 NH ARG D 35 -123.714 -16.211 19.546 1.00 65.88 18366 C ARG D 35 -131.00 -17.11 10.00 55.34 18367 N TRP D 36 -131.861 -15.716 23.804 1.00 55.45 18368 CA TRP D 36 -133.284 </td
18359 CG ARG D 35 -126.992 -17.461 20.630 1.00 62.08 18361 NE ARG D 35 -126.992 -17.461 20.630 1.00 62.08 18361 NE ARG D 35 -125.559 -17.203 20.496 1.00 64.78 18363 NH1 ARG D 35 -125.028 -16.700 19.555 1.00 65.80 18363 NH1 ARG D 35 -125.028 -16.700 18.711 1.00 65.88 18364 NH2 ARG D 35 -125.028 -15.760 18.711 1.00 65.83 18366 NH1 ARG D 35 -123.714 -16.211 19.546 1.00 65.79 18366 O ARG D 35 -131.221 -16.556 23.050 1.00 55.47 18366 O ARG D 35 -131.221 -16.556 23.050 1.00 55.67 18368 CA TRP D 36 -131.800 -17.317 22.245 1.00 55.67 18368 CA TRP D 36 -131.800 -17.317 22.245 1.00 55.56 18369 CB TRP D 36 -133.284 -15.519 23.625 1.00 55.58 18369 CB TRP D 36 -133.847 -15.281 26.55 1.00 55.58 18372 NEI TRP D 36 -133.847 -15.281 26.55 1.00 55.40 18372 NEI TRP D 36 -133.090 -15.811 28.158 1.00 52.40 18373 CE2 TRP D 36 -134.321 -16.646 27.825 1.00 52.20 18374 CD2 TRP D 36 -134.321 -16.646 27.825 1.00 52.20 18374 CD2 TRP D 36 -135.748 -17.058 25.266 1.00 52.40 18376 CZ3 TRP D 36 -135.748 -17.058 25.266 1.00 52.40 18376 CZ3 TRP D 36 -135.748 -17.058 25.266 1.00 52.40 18376 CZ2 TRP D 36 -135.748 -17.058 25.266 1.00 52.40 18376 CZ2 TRP D 36 -135.748 -17.058 25.266 1.00 52.40 18378 CZ2 TRP D 36 -135.748 -17.058 25.266 1.00 52.40 18378 CZ2 TRP D 36 -135.748 -17.058 25.266 1.00 52.40 18378 CZ2 TRP D 36 -135.748 -17.058 25.266 1.00 52.40 18378 CZ2 TRP D 36 -135.748 -17.058 25.266 1.00 52.40 18380 N TLE D 37 -135.766 -13.31 21.408 21.905 1.00 51.24 18380 N TLE D 37 -135.766 -13.31 21.408 21.905 1.00 55.84 18380 N TLE D 37 -135.766 -13.31 21.408 21.905 1.00 55.86 18380 N TLE D 37 -134.666 1.33.407 19.205 1.00 55.86 18380 N TLE D 37 -134.666 1.33.417 19.205 1.00 55.86 18380 N SER D 38 -136.766 -16.271 19.205 1.00 58.85 18380 N SER D 38 -136.740 -14.662 20.650 1.00 59.13 18380 N SER D 38 -136.740 -14.662 20.650 1.00 59.13 18380 N SER D 38 -136.740 -14.662 20.650 1.00 59.35 18380 C SER D 38 -138.757 -14.171 22.928 1.00 59.35
18360 CD ARG D 35 -125.559-17.203 20.496 1.00 62.08 18361 NE ARG D 35 -125.559-17.203 20.496 1.00 64.78 18362 CZ ARG D 35 -125.028 -16.391 19.565 1.00 65.80 18363 NH1 ARG D 35 -125.808 -15.760 18.711 1.00 65.80 18364 NH2 ARG D 35 -123.714 -16.211 19.546 1.00 65.78 18365 C ARG D 35 -131.800 -17.317 22.245 1.00 55.34 18366 C ARG D 35 -131.800 -17.317 22.245 1.00 55.54 18367 N TRP D 36 -131.861 -15.716 23.804 1.00 55.45 18368 C A TRP D 36 -133.824 -15.519 23.625 1.00 55.54 18369 CB TRP D 36 -133.866 -14.634 24.720 1.00 55.11 18370 CG TRP D 36 -133.806 -14.634 24.720 1.00 55.11 18371 CD1 TRP D 36 -133.806 -14.634 24.720 1.00 55.11 18372 NEI TRP D 36 -133.909 -15.811 28.158 1.00 52.20 18373 CE2 TRP D 36 -133.909 -15.811 28.158 1.00 52.20 18374 CD2 TRP D 36 -134.321 -16.646 27.825 1.00 52.20 18375 CE3 TRP D 36 -134.999 1.37 26.506 1.00 52.20 18376 CZ3 TRP D 36 -134.999 1.37 26.506 1.00 52.40 18377 CH2 TRP D 36 -134.991 -15.811 28.158 1.00 52.47 18378 CZ2 TRP D 36 -134.991 -15.811 22.158 1.00 52.17 18377 CH2 TRP D 36 -134.991 -16.337 26.506 1.00 52.20 183876 CZ3 TRP D 36 -134.991 -16.337 26.506 1.00 52.17 18378 CZ2 TRP D 36 -134.999 -16.337 2.6506 1.00 52.40 18381 N ILE D 37 -134.394 -17.634 28.574 1.00 51.41 18381 N ILE D 37 -134.949 -15.815 27.982 1.00 55.84 18385 CD ILE D 37 -134.949 -15.316 21.266 1.00 52.88 18386 CG2 ILE D 37 -134.644 -15.056 21.277 1.00 58.06 18386 CG2 ILE D 37 -134.644 -15.056 21.277 1.00 58.06 18386 CG2 ILE D 37 -134.661 6.523 18.801 1.00 59.40 18386 CG2 ILE D 37 -134.661 6.523 18.801 1.00 59.85 18387 C ILE D 37 -134.661 6.623 18.801 1.00 59.85 18388 O ILE D 37 -134.661 6.623 18.801 1.00 59.85 18389 C SER D 38 -138.021 -14.010 12.463 1.00 59.95 18399 C SER D 38 -138.021 -14.010 12.463 1.00 59.95 18399 C SER D 38 -139.199 -15.813 22.298 1.00 59.35
18361 NE ARG D 35 -125.559 -17.203 20.496 1.00 64.78 18362 CZ ARG D 35 -125.022 -16.331 19.585 1.00 65.88 18363 NH1 ARG D 35 -125.808 -15.760 18.711 1.00 65.88 18364 NH2 ARG D 35 -123.714 -16.211 19.546 1.00 65.79 18366 C ARG D 35 -131.800 -17.317 22.245 1.00 55.67 18367 N TRP D 36 -131.800 -17.317 22.245 1.00 55.67 18368 CA TRP D 36 -133.284 -15.519 23.605 1.00 55.58 18370 CG TRP D 36 -133.866 -14.634 24.720 1.00 55.58 18371 CDI TRP D 36 -133.846 -14.5.19 23.605 1.00 55.40 18371 CDI TRP D 36 -133.847 -15.281 26.504 1.00 54.04 18373 CEZ TRP D 36 -134.321 -16.646 28.255 1.00 52.20 18374 CDZ TRP D 36 -134.327 -16.366 26.506 1.00 52.40 18377 CZZ TRP D <td< td=""></td<>
18362 CZ ARC D 35 -125.028 -16.391 19.585 1.00 65.80 18363 NH1 ARC D 35 -125.808 -15.760 18.711 1.00 65.80 18364 NH2 ARC D 35 -123.714 -16.211 19.546 1.00 65.79 18365 C ARC D 35 -131.221 -16.596 23.050 1.00 55.34 18366 O ARC D 35 -131.221 -16.596 23.050 1.00 55.34 18367 N TRP D 36 -131.800 -17.317 22.245 1.00 55.65 18369 CB TRP D 36 -131.881 -15.716 23.004 1.00 55.45 18369 CB TRP D 36 -133.884 -15.519 23.625 1.00 55.51 18370 CG TRP D 36 -133.866 -14.634 24.720 1.00 55.11 18371 CD1 TRP D 36 -133.807 -15.20 1.00 55.11 18372 NEI TRP D 36 -133.909 -14.999 27.088 1.00 53.20 18372 NEI TRP D 36 -133.909 -15.811 28.158 1.00 52.40 18373 CE2 TRP D 36 -134.321 -16.646 27.825 1.00 52.20 18374 CD2 TRP D 36 -135.748 -17.058 25.266 1.00 52.40 18375 CE3 TRP D 36 -135.748 -17.058 25.266 1.00 52.40 18376 CZ3 TRP D 36 -135.749 -17.634 28.574 1.00 51.41 18377 CH2 TRP D 36 -135.749 -17.634 28.574 1.00 51.41 18378 CZ2 TRP D 36 -134.954 -17.634 28.574 1.00 51.41 18379 C TRP D 36 -134.954 -17.634 28.574 1.00 51.41 18381 N ILE D 37 -134.954 -17.634 22.256 1.00 52.80 18382 CA ILE D 37 -134.954 -17.634 28.574 1.00 55.84 18383 C B ILE D 37 -134.949 -15.516 21.468 1.00 57.89 18384 CG1 ILE D 37 -134.955 -17.634 22.256 1.00 52.80 18385 CD1 ILE D 37 -134.666 16.271 19.205 1.00 58.92 18386 CG2 ILE D 37 -134.666 16.271 19.205 1.00 58.92 18388 C ILE D 37 -134.666 16.271 19.205 1.00 58.92 18389 C SER D 38 -138.021 -14.010 21.463 1.00 59.45 18389 C SER D 38 -138.021 -14.010 21.463 1.00 59.13 18389 C SER D 38 -138.021 -14.010 21.463 1.00 59.13 18391 C SER D 38 -138.021 -14.010 21.463 1.00 59.35
18363 NH1 ARG D 35 -123.714 -16.211 19.546 1.00 65.88 18364 NH2 ARG D 35 -123.714 -16.211 19.546 1.00 65.79 18365 C ARG D 35 -131.821 -16.596 23.050 1.00 55.34 18366 O ARG D 35 -131.800 -17.317 22.245 1.00 55.67 18368 CA TRP D 36 -131.801 -17.317 22.245 1.00 55.67 18368 CA TRP D 36 -133.806 -14.634 24.720 1.00 55.58 18369 CB TRP D 36 -133.806 -14.634 24.720 1.00 55.58 18370 CG TRP D 36 -133.806 -14.634 24.720 1.00 55.13 18371 CD1 TRP D 36 -133.807 -15.281 26.504 1.00 54.04 18371 CD1 TRP D 36 -133.807 -15.281 26.504 1.00 52.47 18373 CE2 TRP D 36 -133.290 -15.811 22.158 1.00 52.47 18373 CE2 TRP D 36 -134.321 -16.646 27.825 1.00 52.47 18373 CE2 TRP D 36 -135.748 -17.058 25.926 1.00 52.48 18375 CE3 TRP D 36 -135.748 -17.058 25.926 1.00 52.40 18376 CE3 TRP D 36 -135.748 -17.058 25.926 1.00 52.40 18377 CH2 TRP D 36 -135.748 -17.058 25.926 1.00 52.40 18378 CZ2 TRP D 36 -135.748 -17.058 25.926 1.00 52.40 18379 C TRP D 36 -135.974 -18.315 27.982 1.00 51.24 18379 C TRP D 36 -134.4321 -16.646 28.574 1.00 54.04 18380 O TRP D 36 -134.495 -17.634 28.574 1.00 54.26 18380 O TRP D 36 -134.644 -15.516 21.468 1.00 57.29 18382 CA ILE D 37 -134.444 -15.566 21.468 1.00 58.92 18383 CB ILE D 37 -134.644 -15.566 21.468 1.00 58.92 18385 CD1 ILE D 37 -134.644 -15.566 21.468 1.00 58.91 18386 CG2 ILE D 37 -134.644 -15.556 21.468 1.00 58.91 18387 C ILE D 37 -134.644 -15.556 21.468 1.00 58.91 18388 C B ILE D 37 -134.644 -15.556 21.468 1.00 58.91 18389 N SER D 38 -136.740 -14.647 21.220 1.00 58.85 18389 C A SER D 38 -136.740 -14.647 21.220 1.00 58.85 18399 C A SER D 38 -136.215 -14.010 21.463 1.00 59.13
18364 NH2 ARG D 35 -123.714 -16.211 19.546 1.00 65.79 18365 C ARG D 35 -131.221 -16.596 2.3050 1.00 55.34 18366 O ARG D 35 -131.800 -17.317 22.245 1.00 55.67 18367 N TRP D 36 -131.801 -15.716 23.804 1.00 55.55 18368 CA TRP D 36 -133.284 -15.519 23.625 1.00 55.545 18369 CB TRP D 36 -133.867 -15.519 23.625 1.00 55.51 18370 CG TRP D 36 -133.807 -15.219 25.055 1.00 55.11 18371 CD1 TRP D 36 -133.807 -15.218 26.054 1.00 54.04 18371 CD1 TRP D 36 -133.909 -14.999 27.088 1.00 53.20 18372 NEI TRP D 36 -134.320 -15.811 28.158 1.00 52.47 18373 CE2 TRP D 36 -134.320 -15.811 28.158 1.00 52.20 18374 CD2 TRP D 36 -134.321 -16.646 27.825 1.00 52.28 18375 CE3 TRP D 36 -135.748 -17.058 25.266 1.00 52.40 18376 C23 TRP D 36 -135.748 -17.058 25.266 1.00 52.40 18377 CH2 TRP D 36 -135.748 -17.058 25.266 1.00 52.40 18378 CZ2 TRP D 36 -135.974 -18.315 27.982 1.00 51.24 18379 C TRP D 36 -134.954 -17.634 28.574 1.00 51.24 18383 C TRP D 36 -134.4954 -17.634 28.574 1.00 51.24 18383 C TRP D 37 -134.494 -15.566 21.276 1.00 55.84 18383 C TRP D 37 -134.494 -15.056 21.277 1.00 58.06 18383 C TRP D 37 -134.644 -15.056 21.277 1.00 58.06 18385 CD ILE D 37 -134.676 -16.271 19.205 1.00 58.19 18386 CG2 ILE D 37 -134.676 -16.271 19.205 1.00 58.92 18387 C TRP D 38 -133.814 -16.136 18.020 1.00 58.92 18388 C ILE D 37 -134.676 -16.271 19.205 1.00 58.92 18388 C ILE D 37 -134.676 -16.271 19.205 1.00 58.92 18389 N SER D 38 -136.740 -14.647 21.220 1.00 58.56 18389 N SER D 38 -136.740 -14.647 21.220 1.00 58.56 18389 N SER D 38 -136.740 -14.647 21.220 1.00 58.56 18399 C SER D 38 -139.519 -15.848 21.320 1.00 59.35
18365 C ARG D 35 -131.221 -16.596 23.050 1.00 55.34 18366 N TRP D 36 -131.800 -17.317 22.245 1.00 55.65 18367 N TRP D 36 -131.861 -15.716 23.804 1.00 55.45 18369 CB TRP D 36 -133.284 1.00 55.58 18370 CG TRP D 36 -133.806 -14.32 26.054 1.00 55.58 18371 CDI TRP D 36 -133.090 -14.99 27.088 1.00 52.47 18373 CE2 TRP D 36 -134.699 -16.337 26.506 1.00 52.47 18376 CE3 TRP D 36 -134.699 -16.337 26.506 1.00 52.40 18376 CE3 TRP D 36 -135.748 -17.058<
18366 O ARG D 35 -131.800 -17.317 22.245 1.00 55.67 18368 CA TRP D 36 -131.806 -15.716 23.804 1.00 55.58 18368 CA TRP D 36 -133.284 -15.519 23.655 1.00 55.58 18370 CB TRP D 36 -133.866 -14.634 24.720 1.00 55.11 18371 CDI TRP D 36 -133.807 -15.211 26.054 1.00 54.04 18371 CDI TRP D 36 -133.090 -15.811 28.158 1.00 52.47 18373 CE2 TRP D 36 -134.321 -16.646 27.825 1.00 52.20 18374 CDZ TRP D 36 -134.321 -16.646 27.825 1.00 52.20 18375 CE3 TRP D 36 -134.7099 1.6373 26.506 1.00 52.88 18375 CE3 TRP D 36 -134.727 -18.036 26.669 1.00 52.40 18376 CZ3 TRP D 36 -135.748 -17.058 25.926 1.00 52.40 18376 CZ3 TRP D 36 -135.748 -17.058 25.926 1.00 52.40 18376 CZ2 TRP D 36 -135.974 -18.315 27.982 1.00 51.24 18378 CZ2 TRP D 36 -135.974 -18.315 27.982 1.00 51.24 18378 CZ2 TRP D 36 -135.974 -18.315 27.982 1.00 51.24 18380 C TRP D 36 -134.494 -15.516 21.468 1.00 55.84 18381 N ILE D 37 -132.865 -13.884 21.915 1.00 55.84 18382 CA ILE D 37 -134.644 -15.056 21.276 1.00 58.06 18383 CB ILE D 37 -134.666 16.271 19.205 1.00 58.92 18385 CD ILE D 37 -134.666 16.271 19.205 1.00 58.92 18386 CG2 ILE D 37 -132.31 -16.010 18.400 1.00 59.40 18388 O ILE D 37 -132.31 -16.010 18.400 1.00 59.40 18389 N SER D 38 -136.740 -14.647 21.220 1.00 58.56 18390 C SER D 38 -136.740 -14.647 21.220 1.00 58.56 18393 C SER D 38 -139.579 -15.884 21.320 1.00 59.13 18393 C SER D 38 -138.301 -14.171 22.928 1.00 59.35
18367 N TRP D 36 -131.861 -15.716 23.804 1.00 55.45 18368 CA TRP D 6 -133.884 -15.519 23.625 1.00 55.45 18369 CB TRP D 36 -133.886 -146.34 24.720 1.00 55.11 18370 CG TRP D 36 -133.09 -189.99 27.088 1.00 52.47 18373 CEZ TRP D 36 -133.290 -15.811 28.158 1.00 52.47 18373 CEZ TRP D 36 -134.699 -16.337 26.566 1.00 52.47 18374 CD2 TRP D 36 -134.699 -16.337 26.669 1.00 52.48 18376 CZ3 TRP D 36 -135.974 -18.036 26.669 1.00 52.17 18377 CE TRP D 36<
18368 CA TRP D 36 -133.284 -15.519 23.625 1.00 55.58 18369 CB TRP D 36 -133.847 -15.281 26.054 1.00 54.04 18371 CDI TRP D 36 -133.847 -15.281 26.054 1.00 54.04 18371 CDI TRP D 36 -133.090 -15.811 28.158 1.00 52.20 18372 NBL TRP D 36 -134.321 -16.646 27.825 1.00 52.20 18373 CB2 TRP D 36 -134.321 -16.646 27.825 1.00 52.20 18374 CD2 TRP D 36 -134.321 -16.646 27.825 1.00 52.20 18376 CB3 TRP D 36 -135.748 -17.058 25.926 1.00 52.40 18376 CB3 TRP D 36 -136.727 -18.036 26.669 1.00 52.41 18376 CB3 TRP D 36 -136.727 -18.036 26.669 1.00 52.18 18376 CB3 TRP D 36 -136.727 -18.036 26.669 1.00 52.18 18378 CB2 TRP D 36 -135.748 -17.058 25.926 1.00 52.40 18378 CB2 TRP D 36 -135.748 -17.058 25.926 1.00 52.14 18379 C TRP D 36 -135.974 -18.315 27.982 1.00 51.24 18389 C TRP D 36 -134.487 -14.890 22.556 1.00 56.26 18388
18369 CB TRP D 36 -133.866 -14.634 24.720 1.00 55.11 18370 CG TRP D 36 -133.847 -15.281 26.054 1.00 54.04 18371 CD1 TRP D 36 -133.099 -14.999 27.088 1.00 52.47 18373 CEZ TRP D 36 -134.699 -16.646 27.825 1.00 52.47 18374 CDZ TRP D 36 -134.699 -16.337 26.506 1.00 52.88 18375 CE3 TRP D 36 -136.372 -18.036 25.926 1.00 52.88 18376 CE3 TRP D 36 -136.372 -18.036 26.699 1.00 52.17 18377 CHZ TRP D 36 -134.974 -18.315 27.982 1.00 51.41 18378 CHZ TRP D 36 -134.954 -17.634 28.574 1.00 51.41 18380 O
18370 CG TRP D 36 -133.847 -15.281 26.054 1.00 54.04 18371 CD1 TRP D 36 -133.090 -15.811 28.158 1.00 52.47 18373 CB2 TRP D 36 -134.321 -16.646 27.925 1.00 52.20 18374 CB2 TRP D 36 -134.999 -16.337 26.506 1.00 52.20 18375 CB3 TRP D 36 -136.737 -18.00 25.926 1.00 52.40 18376 CB3 TRP D 36 -136.737 -18.036 26.669 1.00 52.40 18377 CH2 TRP D 36 -135.974 -18.315 27.982 1.00 51.24 18378 CB2 TRP D 36 -134.954 -17.60 28.57 1.00 51.24 18379 C TRP D 36 -132.865 -13.894 22.566 1.00 56.26
18371 CDI TRP D 36 -133.099 -14.999 27.088 1.00 53.20 18372 NEI TRP D 36 -133.299 -15.811 28.158 1.00 52.27 18373 CE2 TRP D 36 -134.299 -16.337 26.506 1.00 52.47 18374 CD2 TRP D 36 -134.699 -16.337 26.506 1.00 52.88 18375 CE3 TRP D 36 -135.748 -17.058 25.926 1.00 52.21 18377 CH2 TRP D 36 -135.748 -17.634 26.669 1.00 52.17 18377 CH2 TRP D 36 -134.994 -17.634 28.574 1.00 51.41 18380 CTRP D 36 -134.954 -17.634 28.574 1.00 51.41 18381 N TLE D 36 -132.865 -13.884 21.915 1.00 56.26 18383 CB TLE D 37 -134.349 -15.516 21.468 1.00 57.29 18382 CA TLE D 37 -134.766 -16.271 19.205 1.00 58.19 18385 CDI ILE D 37 -136.215 -16.523 1
18372 NEI TRP D 36 -133.290 -15.811 28.158 1.00 52.47 18373 CEZ TRP D 36 -134.321 -16.660 27.825 1.00 52.20 18374 CDZ TRP D 36 -134.499 -16.337 26.506 1.00 52.88 18375 CE3 TRP D 36 -135.748 -10 52.240 1.00 52.40 18376 CE3 TRP D 36 -135.747 -18.315 27.982 1.00 52.47 18377 CH2 TRP D 36 -134.954 -17.634 28.574 1.00 51.24 18377 CH2 TRP D 36 -134.954 -17.634 28.574 1.00 51.24 18379 C TRP D 36 -132.486 -14.890 22.256 1.00 56.26 18380 O TRP D 36 -132.486 1.389 21.956 1.00 56.26 18381 N LLE D 37 -134.449 -15.516 21.468 1.00
18373 CE2 TRP D 36 -114.321 -16.646 27.825 1.00 52.20 18375 CE3 TRP D 36 -134.699 -16.337 26.506 1.00 52.88 18375 CE3 TRP D 36 -135.748 -17.058 25.926 1.00 52.40 18376 CE3 TRP D 36 -135.748 -17.058 25.926 1.00 52.40 18376 CE2 TRP D 36 -135.749 -118.315 27.982 1.00 51.24 18378 CE2 TRP D 36 -134.954 -17.634 28.574 1.00 51.24 18378 CE2 TRP D 36 -134.954 -17.634 28.574 1.00 51.41 18379 C TRP D 36 -133.487 -14.890 22.256 1.00 56.26 18380 O TRP D 36 -133.487 -14.890 22.256 1.00 56.26 18381 N ILE D 37 -134.949 -15.516 21.468 1.00 57.29 18382 CA ILE D 37 -134.644 -15.056 20.127 1.00 58.06 18383 CB ILE D 37 -134.644 -15.056 20.127 1.00 58.06 18383 CB ILE D 37 -134.646 -16.271 19.205 1.00 58.92 18386 CG2 ILE D 37 -132.865 -13.844 21.910 18.440 1.00 59.40 18386 CG2 ILE D 37 -136.215 -16.523 18.801 1.00 59.40 18386 CG2 ILE D 37 -136.215 -16.523 18.801 1.00 59.45 18387 C ILE D 37 -136.215 -16.523 18.801 1.00 58.85 18389 N SER D 38 -138.624 -14.647 21.202 1.00 58.66 18390 CA SER D 38 -138.021 -14.010 21.463 1.00 59.13 18391 CB SER D 38 -138.021 -14.010 21.463 1.00 59.13 18392 CS END 38 -138.357 -158.357 -15.395 1.30 (1.00 59.15 183930 C SER D 38 -138.357 -158.357 -15.395 1.30 (1.00 59.35 183930 C SER D 38 -138.357 -158.357 -15.395 1.30 (1.00 59.35 183930 C SER D 38 -138.3839 1.32 (1.00 59.35 138394 C) SER D 38 -138.357 -14.171 22.928 1.00 59.35
18374 CD2 TRP D 36 -134.699 -16.337 26.506 1.00 52.88 18375 CE3 TRP D 36 -135.748 -17.638 25.926 1.00 52.40 18376 CZ3 TRP D 36 -135.974 -18.315 27.982 1.00 52.17 18377 CH2 TRP D 36 -135.974 -134 28.574 1.00 51.24 18378 CZ TRP D 36 -132.486 -15.32 28.574 1.00 51.24 18380 O TRP D 36 -132.486 -132.886 1.10 50.62 6 26.26 1.00 56.26 18381 N ILE D 37 -134.349 -15.516 21.468 1.00 57.29 18382 C ILE D 37 -134.766 -16.271 19.205 1.00 58.98 18385 O </td
18375 CE3 TRP D 36 -135.748 -17.058 25.926 1.00 52.40 18376 C23 TRP D 36 -136.372 -18.035 26.669 1.00 52.17 18377 CH2 TRP D 36 -135.974 -18.315 27.982 1.00 51.24 18378 C22 TRP D 36 -134.954 -17.634 28.574 1.00 51.41 18379 C TRP D 36 -133.487 -14.890 22.256 1.00 56.26 18380 O TRP D 36 -133.487 -14.890 22.256 1.00 56.26 18380 C TRP D 37 -132.865 -13.884 21.915 1.00 55.84 18381 N ILE D 37 -134.349 -15.516 21.468 1.00 57.29 18382 CA ILE D 37 -134.644 -15.056 20.127 1.00 58.06 18383 CB ILE D 37 -134.666 -16.271 19.205 1.00 58.19 18386 CG2 ILE D 37 -134.676 -16.271 19.205 1.00 58.92 18386 CG2 ILE D 37 -136.215 -16.523 18.801 1.00 59.40 18388 O ILE D 37 -136.215 -16.523 18.801 1.00 59.40 18388 O ILE D 37 -136.215 -16.523 18.801 1.00 58.85 18387 C ILE D 37 -136.236 -134.417 19.400 1.00 58.65 18389 N SER D 38 -138.621 -14.010 21.463 1.00 59.15 18391 CB SER D 38 -138.021 -14.010 21.463 1.00 59.13 18391 CB SER D 38 -138.021 -14.010 21.463 1.00 59.13 18392 C SER D 38 -139.519 -15.884 21.320 1.00 59.35 18393 C SER D 38 -138.357 -14.171 22.928 1.00 59.35 18393 C SER D 38 -138.357 -14.171 22.928 1.00 59.35 18393 C SER D 38 -138.357 -14.171 22.928 1.00 59.35
18376 C23 TRP D 36 -136.372 -18.036 26.669 1.00 52.17 18377 CH2 TRP D 36 -135.974 -18.315 27.982 1.00 51.24 18378 C22 TRP D 36 -134.954 -17.634 28.574 1.00 51.24 18380 C TRP D 36 -132.486 -132.484 22.256 1.00 56.26 18381 N ILE D 37 -134.349 -15.516 21.468 1.00 57.29 18382 C ILE D 37 -134.349 -15.516 20.127 1.00 58.19 18383 CB ILE D 37 -134.766 -16.271 19.205 1.00 58.19 18384 CGI ILE D 37 -136.215 -16.523 18.801 1.00 58.92 18385 CDI ILE D 3
18377 CH2 TRP D 36 -135.974 -18.315 27.982 1.00 51.24 18378 CZ2 TRP D 36 -134.954 -17.634 28.574 1.00 51.41 18379 C TRP D 36 -133.487 -14.890 22.256 1.00 56.26 18380 O TRP D 36 -132.865 -13.884 21.915 1.00 55.84 18381 N ILE D 37 -134.349 -15.516 21.468 1.00 57.29 18382 CA ILE D 37 -134.644 -15.056 20.127 1.00 58.06 18383 CB ILE D 37 -134.664 -15.056 20.127 1.00 58.06 18383 CB ILE D 37 -134.676 -16.271 19.205 1.00 58.19 18385 CDI ILE D 37 -133.814 -16.136 18.020 1.00 58.92 18385 CDI ILE D 37 -132.371 -16.010 18.440 1.00 59.40 18386 CG2 ILE D 37 -136.215 -16.523 18.801 1.00 59.40 18388 O ILE D 37 -136.215 -16.523 18.801 1.00 59.45 18387 C ILE D 37 -136.215 -16.523 18.801 1.00 59.45 18389 N SER D 38 -136.740 -14.647 21.220 1.00 58.56 18399 CB SER D 38 -136.740 -14.647 21.220 1.00 58.56 18399 CB SER D 38 -139.19 -14.682 20.550 1.00 59.13 18392 CB SER D 38 -139.19 -14.682 20.550 1.00 59.35 18393 C SER D 38 -138.3839 1.32.26 1.00 59.75 18393 C SER D 38 -138.3579 -15.848 21.320 1.00 59.35 18393 C SER D 38 -138.3579 -15.848 21.320 1.00 59.35 18393 C SER D 38 -138.3579 -15.44.171 22.928 1.00 59.35 18394 O SER D 38 -138.3579 -15.44.171 22.928 1.00 59.35
18378 CZ2 TRP D 36 -134.954 -17.634 28.574 1.00 51.41 18379 C TRP D 36 -132.865 -13.884 21.915 1.00 56.26 18380 O TRP D 36 -132.865 -13.884 21.915 1.00 55.84 18381 N ILE D 37 -134.349 -15.516 21.468 1.00 57.29 18382 CA ILE D 37 -134.349 -15.516 20.127 1.00 58.06 18383 CB ILE D 37 -134.766 -16.271 19.205 1.00 58.19 18384 CG1 ILE D 37 -134.766 -16.271 19.205 1.00 58.19 18384 CG2 ILE D 37 -134.766 -16.271 19.205 1.00 58.9 18386 CG2 ILE D 37 -136.215 -16.523 18.001 1.00 59.40 18386 CG2 ILE D 37 -136.215 -16.523 18.001 1.00 59.40 18388 O ILE D 37 -136.215 -16.523 18.001 1.00 59.45 18389 N SER D 38 -136.740 -14.647 21.220 1.00 58.56 18399 CA SER D 38 -136.740 -14.647 21.220 1.00 58.56 18391 CB SER D 38 -139.19 -14.620 20.650 1.00 59.15 18393 C SER D 38 -139.579 -15.848 21.320 1.00 59.77 18393 C SER D 38 -138.357 -15.848 21.320 1.00 59.35 18394 O SER D 38 -138.357 -15.848 21.320 1.00 59.35
18379 C TRP D 36 -133.487 -14.890 22.256 1.00 56.26 18380 O TRP D 36 -132.865 -13.884 21.915 1.00 55.84 18381 N ILE D 37 -134.439 -15.516 21.468 1.00 57.29 18382 CA ILE D 37 -134.644 -15.556 21.468 1.00 57.29 18383 CB ILE D 37 -134.644 -15.556 21.462 1.00 58.06 18383 CB ILE D 37 -134.644 -15.956 20.127 1.00 58.06 18385 CD ILE D 37 -132.371 -16.010 18.400 1.00 58.92 18386 CG2 ILE D 37 -136.215 -16.523 18.801 1.00 59.40 18387 C ILE D 37 -136.215 -16.523 18.801 1.00 58.85 18388 O ILE D 37 -135.955 -14.300 20.209 1.00 58.85 18389 C ILE D 37 -136.236 -13.417 19.400 1.00 58.56 18399 CA SER D 38 -136.740 -14.647 21.220 1.00 58.66 18390 CA SER D 38 -136.740 -14.647 21.220 1.00 58.68 18391 CB SER D 38 -139.19 -14.662 20.650 1.00 59.13 18392 CG SER D 38 -139.759 -15.848 21.320 1.00 59.13 18393 C SER D 38 -138.357 9-15.848 21.320 1.00 59.35 18393 C SER D 38 -138.357 9-15.848 21.320 1.00 59.35
18380 O TRP D 36 -132.865 -13.884 21.915 1.00 55.84 18381 N ILE D 37 -134.349 -15.516 21.468 1.00 57.29 18382 CA ILE D 37 -134.644 -15.056 20.127 1.00 58.06 18383 CB ILE D 37 -134.766 -16.271 19.205 1.00 58.19 18384 CGI ILE D 37 -134.766 -16.271 19.205 1.00 58.19 18385 CDI ILE D 37 -132.371 -16.010 18.404 1.00 59.40 18386 CG2 ILE D 37 -132.371 -16.010 18.404 1.00 59.40 18386 C ILE D 37 -135.515 -16.523 18.801 1.00 58.85 18387 C ILE D 37 -135.953 -14.300 20.209 1.00 58.33 18388 O ILE D 37 -136.236 -13.417 19.400 1.00 58.56 18389 N SER D 38 -136.740 -14.647 21.220 1.00 58.56 18391 CB SER D 38 -138.021 -14.010 21.463 1.00 59.15 18391 CB SER D 38 -139.579 -15.848 21.320 1.00 59.77 18393 C SER D 38 -138.3579 -15.848 21.320 1.00 59.35 18394 O SER D 38 -138.3579 -15.848 21.320 1.00 59.35
18381 N LLE D 37 -134,349 -15,516 21,468 1.00 57.29 18382 CA LLE D 37 -134,766 -16,271 19,205 1.00 58.19 18383 CB LLE D 37 -134,766 -16,271 19,205 1.00 58.92 18385 CB LLE D 37 -132,371 -16,010 18,440 1.00 59.89 18386 CG LLE D 37 -136,215 -16,523 18,801 1.00 58.85 18389 O LLE D 37 -136,235 -14,300 20,209 100 58.85 18389 O LLE D 37 -136,235 -14,300 20,209 100 58.56 18399 CA SER D 38 -136,236 -13,417 19,400 1.00 58.56 18399 CA SER D 38
18382 CA ILE D 37 -134.644 -15.056 20.127 1.00 58.06 18383 CB ILE D 37 -134.766 -16.271 19.205 1.00 58.19 18384 CGI ILE D 37 -132.371 -16.010 18.401 1.00 58.92 18386 CG ILE D 37 -136.215 -16.523 18.801 1.00 58.33 18387 C ILE D 37 -136.236 -134.400 20.209 1.00 58.33 18389 N SER D 38 -136.740 -14.401 21.220 1.00 58.56 18391 C SER D 38 -139.579 -15.848 21.320 1.00 59.77 18393 C SER D 38 -139.579 -15.848 21.320 1.00 59.35 18394 C SER D 38
18383 CB ILE D 37 -134.766 -16.271 19.205 1.00 58.19 18384 CGI ILE D 37 -134.814 -16.136 18.020 1.00 58.92 18385 CDI ILE D 37 -132.371 -16.010 18.440 1.00 59.40 18386 CG2 ILE D 37 -136.215 -16.523 18.801 1.00 58.85 18387 C ILE D 37 -135.953 -14.300 20.209 1.00 58.35 18388 O ILE D 37 -136.236 -13.417 19.400 1.00 58.56 18399 CA SER D 38 -136.740 -14.647 21.220 1.00 58.56 18390 CA SER D 38 -139.119 -14.602 20.650 1.00 59.15 18391 CB SER D 38 -139.579 -15.848 21.320 1.00 59.13 18392 CG SER D 38 -139.579 -15.848 21.320 1.00 59.75 18393 C SER D 38 -138.357 -14.171 22.928 1.00 59.35
18384 CGI ILE D 37 -133.814 -16.136 18.020 1.00 58.92 18385 CDI ILE D 37 -132.371 -16.100 18.444 1.00 59.40 18386 CE ILE D 37 -135.953 -14.300 20.209 1.00 58.33 18388 O ILE D 37 -136.236 -13.417 19.400 1.00 58.56 18399 C SER D 38 -136.740 -14.647 21.220 1.00 58.56 18391 CB SER D 38 -139.191 -14.622 2.0550 1.00 59.15 18392 OG SER D 38 -139.191 -14.622 2.0550 1.00 59.15 18393 C SER D 38 -139.157 -15.848 21.220 1.00 59.77 18393 C SER D 38
18385 CDI ILE D 37 -132.371 -16.010 18.401 1.00 59.40 18386 CGZ ILE D 37 -135.215 -16.523 18.801 1.00 58.85 18387 C ILE D 37 -135.953 -14.300 20.209 1.00 58.85 18389 N SER D 38 -136.236 -13.417 19.400 1.00 58.56 18399 CA SER D 38 -138.021 -14.010 21.263 1.00 59.15 18391 CB SER D 38 -139.19 -14.62 20.650 1.00 59.77 18393 C SER D 38 -139.579 -15.848 21.320 1.00 59.35 18394 O SER D 38 -138.357 -14.171 22.928 1.00 59.35
18386 Cg2 ILE D 37 -136.215 -16.523 18.801 1.00 58.85 18387 C ILE D 37 -135.953 -14.300 20.209 1.00 58.35 18388 O ILE D 37 -136.236 -131.417 19.400 1.00 58.56 18389 N SER D 38 -136.740 -14.647 21.220 1.00 58.68 18390 CA SER D 38 -138.021 -14.010 21.463 1.00 59.15 18391 CB SER D 38 -139.119 -14.682 20.650 1.00 59.13 18392 OG SER D 38 -139.579 -15.848 21.320 1.00 59.75 18393 C SER D 38 -139.579 -15.848 21.320 1.00 59.35 18394 O SER D 38 -138.357 -14.171 22.928 1.00 59.35
18387 C ILE D 37 -135.953 -14.300 20.209 1.00 58.33 18388 O ILE D 37 -136.236 -13.417 19.400 1.00 58.56 18389 N SER D 38 -136.740 -14.647 21.220 1.00 58.68 18390 CA SER D 38 -138.021 -14.010 21.463 1.00 59.15 18391 CB SER D 38 -139.191 = 14.682 20.650 1.00 59.13 18393 C SER D 38 -139.579 -15.848 21.320 1.00 59.35 18394 O SER D 38 -138.357 -14.171 22.228 1.00 59.35
18388 O ILE D 37 - 1-36.236 - 13.417 19.400 1.00 58.56 18389 N SER D 38 -136.740 - 14.647 21.220 1.00 58.68 18390 CA SER D 38 -138.021 - 14.010 21.463 1.00 59.15 18391 CB SER D 38 -139.119 - 14.682 20.650 1.00 59.13 18392 OG SER D 38 -139.179 - 15.848 21.320 1.00 59.73 18393 C SER D 38 -139.579 - 15.848 21.320 1.00 59.75 18393 C SER D 38 -137.491 - 14.171 22.928 1.00 59.35 18394 O SER D 38 -137.491 - 14.467 23.745 1.00 59.50
18389 N SER D 38 -136.740 -14.647 21.220 1.00 58.68 18390 CA SER D 38 -138.021 -14.010 21.463 1.00 59.15 18391 CB SER D 38 -139.119 -14.682 20.650 1.00 59.13 18392 OG SER D 38 -139.579 -15.848 21.320 1.00 59.77 18393 C SER D 38 -138.357 -14.171 22.928 1.00 59.35 18394 O SER D 38 -137.491 -14.467 23.745 1.00 59.50
18390 CA SER D 38 -138.021 -14.010 21.463 1.00 59.15 18391 CB SER D 38 -199.19 -14.62 20.650 1.00 59.13 18392 OG SER D 38 -139.579 -15.848 21.320 1.00 59.77 18393 C SER D 38 -138.357 -14.171 22.928 1.00 59.35 18394 O SER D 38 -137.491 -14.467 23.745 1.00 59.35
18391 CB SER D 38 -139.119 -14.682 20.650 1.00 59.13 18392 OG SER D 38 -139.579 -15.848 21.320 1.00 59.77 18393 C SER D 38 -138.357 -14.171 22.928 1.00 59.35 18394 O SER D 38 -137.491 -14.467 23.745 1.00 59.35
18393 C SER D 38 -139,579 -15.848 21.320 1.00 59.77 18393 C SER D 38 -138.357 -14.171 22.928 1.00 59.35 18394 O SER D 38 -137.491 -14.467 23.745 1.00 59.50
18393 C SER D 38 -138.357 -14.171 22.928 1.00 59.35 18394 O SER D 38 -137.491 -14.467 23.745 1.00 59.50
18394 O SER D 38 -137.491 -14.467 23.745 1.00 59.50
18396 CA ASP D 39 -140.113 -14.136 24.609 1.00 59.49
18397 CB ASP D 39 -141.367 -13.290 24.788 1.00 59.39
18398 CG ASP D 39 -141.507 -12.757 26.187 1.00 60.15
18399 OD1 ASP D 39 -142.625 -12.337 26.550 1.00 61.22
18400 OD2 ASP D 39 -140.558 -12.714 27.000 1.00 61.27
18401 C ASP D 39 -140.410 -15.573 25.009 1.00 59.56

FIGURE 3 MW

A	В	С	D	E	F		G	Н	I	J
18402	0	ASP	D	39	-140.7	81 -15	5.837	26.145	1.00	59.26
18403	N	HIS	D	40	-140.2			24.090		60.02
18404	CA	HIS		40	-140.5		7.891	24.420		60.67
18405	CB		D	40	-141.9		3.228	23.895		61.24
18406	CG	HIS	D	40	-142.6			23.323		62.71
18407		HIS	D	40	-143.5			24.064		64.36
18408	CE1		D	40	-144.0			23.307		65.09
18409	NE2		D	40	-143.4			22.106		65.07
18410	CD2	HIS	D	40	-142.6		5.490	22.100		64.38
18411	C	HIS		40	-139.5		3.893	23.892		60.71
18412	0	HIS			-139.6			24.207		60.52
				40	-138.6		3.427	23.091		
18413 18414	N CA	GLU		41 41			9.340			61.04
					-137.6			22.507		61.44
18415	CB	GLU		41	-138.0			21.055		61.41
18416	CG	GLU		41	-139.5		9.665	20.776		62.32
18417	CD	GLU		41	-139.8			19.291		63.01
18418	OE1	GLU		41	-140.0		3.609	18.701		62.19
18419	OE2	GLU		41	-139.8			18.719		62.93
18420	С	GLU		41	-136.2			22.559		61.54
18421	0	GLU		41	-135.9		7.629	22.439		61.16
18422	N	TYR		42	-135.2		9.776	22.719		61.94
18423	CA	TYR		80	-133.8			22.726		62.41
18424	CB	TYR		80	-133.3		9.474	24.158		61.91
18425	CG	TYR		80	-133.4			24.922		60.62
18426	CD1	TYR		80	-132.7			24.658		58.59
18427	CE1	TYR		80	-132.8			25.360		57.20
18428	CZ	TYR		80	-133.8			26.337		56.65
18429	OH	TYR		80	-133.9			27.028		55.96
18430	CE2	TYR		80	-134.6			26.627		57.99
18431	CD2	TYR		80	-134.4		.879	25.921		59.62
18432	С	TYR		80	-133.1		.489	21.855		63.24
18433	0	TYR		80	-133.6			21.556		63.26
18434	N	LEU		81	-131.8		0.142	21.457		64.36
18435	CA	LEU	D	81	-131.0	79 -2:	1.021	20.625	1.00	65.66
18436	CB	LEU	D	81	-130.4		244	19.466		65.62
18437	CG		D	81	-131.3			18.506		65.31
18438	CD1	LEU	D	81	-130.5	80 -18	3.624	17.571		65.28
18439	CD2	LEU	D	81	-132.2	47 -20	.480	17.719	1.00	65.16
18440	C	LEU	D	81	-129.9	74 -23	1.688	21.429	1.00	66.80
18441	0	LEU	D	81	-129.4	35 -23	1.098	22.362	1.00	66.97
18442	N	TYR	D	82	-129.6	33 -22	2.916	21.049		68.34
18443	CA	TYR	D	82	-128.5	84 -23	3.672	21.722	1.00	69.82
18444	CB	TYR	D	82	-129.1			22.828		69.95
18445	CG	TYR	D	82	-128.1	61 -25	5.139	23.767	7 1.00	70.66
18446	CD1	TYR	D	82	-127.4	68 -24	1.340	24.665	1.00	71.01
18447	CE1	TYR	D	82	-126.5	33 -24	1.873	25.525	1.00	71.12
18448	CZ	TYR	D	82	-126.2	75 -26	5.226	25.500	1.00	71.46
18449	OH	TYR	D	82	-125.3	35 -26	5.752	26.360	1.00	71.77
18450	CE2	TYR	D	82	-126.9	49 -2	7.049	24.619		71.57
18451	CD2	TYR	D	82	-127.8	88 -26	5.503	23.758	1.00	71.27
18452	C	TYR	D	82	-127.8	48 -24	1.549	20.717	1.00	70.76

FIGURE 3 MX

A	В	С	D	E		F	G	H	I	J
18453	0	TYR	D	44	-128	317	-24.735	19.59	7 1.00	70.90
18454	N	LYS	D	45			-25.088	21.11		
18455	CA	LYS		45	-125.		-25.955	20.22		
18456	CB		D	45			-25.192	19.59		
18457	CG		D	45			-24.337	20.55		
18458	CD	LYS		45	-122.		-23.474	19.79		
18459	CE		D	45			-24.277	19.75		
18460	NZ		D	45	-120.		-23.434 -27.230	18.63		
18461	C	LYS	D	45	-125.			20.91		
18462	0	LYS		45			-27.211	22.09		
18463	N	GLN		46			-28.331	20.15		
18464	CA		D	46			-29.626	20.67		
18465	CB	GLN		46	-126.		-30.688	20.52		
18466	CG	GLN		46			-31.000	21.84		
18467	CD	GLN		46			-31.440	21.69		
18468	OE1	GLN		46			-31.048	22.49		
18469	NE2	GLN		46			-32.259	20.68		
18470	C	GLN		46	-123.		-30.101	20.06		
18471	0	GLN		46			-29.752	20.56		
18472	N	GLU		47	-123.		-30.922	19.01		
18473	CA	GLU		47			-31.367	18.27		
18474	CB	GLU		47			-32.049	16.97		
18475	CG	GLU		47			-33.038	16.34		
18476	CD	GLU		47			-33.943	15.31		
18477	OE1	GLU		47			-35.134	15.61		
18478	OE2	GLU	D	47	-122.	958	-33.464	14.19	3 1.00	79.84
18479	C	GLU		47			-30.060	17.96		
18480	0	GLU		47			-29.714	18.52		
18481	N	ASN		48			-29.340	17.05		
18482	CA	ASN	D	48	-122.	106	-27.980	16.69	3 1.00	79.17
18483	CB	ASN	D	48	-120.	796	-27.853	15.91	.3 1.00	
18484	CG	ASN	D	48	-120.	312	-26.396	15.80		79.85
18485	OD1	ASN	D	48	-120.	890	-25.488	16.41	.5 1.00	79.96
18486	ND2	ASN	D	48	-119.	253	-26.176	15.03	2 1.00	79.80
18487	C	ASN	D	48	-123.	322	-27.634	15.86	4 1.00	79.05
18488	0	ASN	D	48	-123.	317	-26.721	15.04	3 1.00	79.01
18489	N	ASN	D	49	-124.	364	-28.437	16.07	8 1.00	78.88
18490	CA	ASN	D	49	-125.	670	-28.187	15.50	7 1.00	78.77
18491	CB	ASN	D	49	-126.	641	-29.306	15.88	3 1.00	79.00
18492	CG	ASN	D	49	-126.	655	-30.451	14.88	6 1.00	79.55
18493	OD1	ASN	D	49	-126.	781	-31.610	15.27	5 1.00	80.11
18494	ND2	ASN	D	49	-126.	556	-30.133	13.59	9 1.00	80.29
18495	С	ASN	D	49	-126.	137	-26.947	16.21	9 1.00	78.53
18496	0	ASN	D	49	-125.	639	-26.640	17.29	9 1.00	78.67
18497	N	ILE	D	50	-127.	087	-26.227	15.64	4 1.00	78.07
18498	CA	ILE	D	50	-127.	646	-25.083	16.35		
18499	CB		D	50			-23.744	15.78		
18500	CG1	ILE	D	50	-125.		-23.273	16.63		
18501	CD1	ILE	D	50			-22.387	15.90		
18502	CG2	ILE	D	50			-22.684	15.81		
18503	С	ILE	D	50	-129.	164	-25.189	16.42		77.15

FIGURE 3 MY

A	В	С	D	E		F	G	Н	I	J
18504	0	ILE	D	50	-129	.877	-24.945	15.449	1.00	77.13
18505	N	LEU		51			-25.585	17.600	1.00	76.58
18506	CA	LEU	D	51	-131	.051	-25.847	17.832	1.00	76.10
18507	CB	LEU	D	51	-131	.215	-26.917	18.917	1.00	75.99
18508	CG	LEU	D	51	-130	.782	-28.350	18.608	1.00	75.89
18509	CD1	LEU	D	51	-129	.381	-28.391	18.026	1.00	75.81
18510	CD2	LEU	D	51	-130	.866	-29.205	19.865	1.00	75.82
18511	C	LEU	D	51	-131	.871	-24.626	18.228	1.00	75.75
18512	0	LEU	D	51	-131	.384	-23.499	18.258	1.00	75.75
18513	N	VAL	D	52	-133		-24.888	18.523	1.00	75.24
18514	CA	VAL	D	52	-134		-23.883	18.982	1.00	74.85
18515	CB	VAL		52	-134		-23.372	17.851	1.00	74.86
18516	CG1	VAL		52	-135		-22.293	18.365	1.00	74.39
18517	CG2	VAL		52	-135		-24.519	17.250	1.00	75.16
18518	C	VAL		52	-134		-24.584	20.021	1.00	74.56
18519	0	VAL	D	52	-135		-25.730	19.825	1.00	74.55
18520	N	PHE	D	53	-135		-23.908	21.135	1.00	74.03
18521	CA	PHE	D	53	-135		-24.512	22.206	1.00	73.50
18522	CB	PHE	D	53	-135		-24.629	23.467	1.00	73.31
18523	CG	PHE	D	53	-134		-25.783	23.454	1.00	72.34
18524 18525	CD1 CE1	PHE	D	53 53	-132 -132		-25.745 -26.806	22.677	1.00	71.52
18525	CZ	PHE	D D	53	-132		-26.806	22.673	1.00	71.45
18527	CE2	PHE	D	53			-27.965	24.237	1.00	71.45
18528	CD2	PHE	D	53	-134		-26.901	24.237	1.00	71.23
18529	CDZ	PHE	D	53			-23.727	22.533	1.00	73.55
18530	Ö	PHE	D	53	-137		-22.503	22.436	1.00	73.37
18531	N	ASN		54			-24.452	22.911	1.00	73.74
18532	CA	ASN	D	54	-139		-23.828	23.393	1.00	74.00
18533	CB	ASN		54	-140		-24.691	23.059	1.00	73.94
18534	CG	ASN		54			-23.973	23.303	1.00	73.93
18535	OD1	ASN	D	54	-142		-23.295	22.414	1.00	74.01
18536	ND2	ASN	D	54	-142	.503	-24.115	24.511	1.00	73.20
18537	C	ASN	D	54	-139	.237	-23.743	24.896	1.00	74.19
18538	0	ASN	D	54	-138	.985	-24.757	25.543	1.00	74.23
18539	N	ALA	D	55	-139	.306	-22.543	25.454	1.00	74.39
18540	CA	ALA		55	-139	.037	-22.393	26.876	1.00	74.79
18541	CB	ALA	D	55	-138		-20.924	27.270	1.00	74.66
18542	C	ALA	D	55	-140		-23.128	27.687	1.00	75.07
18543	0	ALA		55	-139		-23.828	28.650	1.00	74.91
18544	N	GLU		56			-22.981	27.271	1.00	75.59
18545	CA	GLU	D	56	-142		-23.583	27.981	1.00	76.20
18546	CB	GLU		56	-143		-23.051	27.421	1.00	76.39
18547	CG	GLU		56	-144		-23.506	28.187	1.00	77.36
18548	CD	GLU		56	-145		-22.373	28.429	1.00	78.96
18549	OE1	GLU	D	56	-146		-22.191	27.608	1.00	78.93
18550	OE2	GLU	D	56			-21.659	29.445	1.00	79.50
18551 18552	C	GLU		56 56	-142 -142		-25.105 -25.758	27.940 28.929	1.00	76.45 76.46
18553	O N	TYR	D D	57			-25.672	26.808	1.00	76.74
18554	CA	TYR		57			-27.128	26.646	1.00	77.16
10004	CA	TIK	D	51	-142	.023	21.120	20.040	1.00	,,.10

FIGURE 3 MZ

A	В	C	D	E	1	?	G	Н	I	J
18555	CB	TYR	D	57	-142	721	-27.512	25.338	1.00	77.31
18556	CG	TYR		57	-144.		-26.930	25.186	1.00	77.56
18557	CD1	TYR		57	-144.5		-26.823	26.276	1.00	78.01
18558	CE1	TYR		57	-146.2		-26.290	26.140	1.00	78.45
18559	CZ	TYR		57	-146.6		-25.857	24.899	1.00	78.98
18560	OH	TYR		57	-147.5		-25.329	24.753	1.00	79.47
18561	CE2	TYR		57	-145.8		-25.952	23.803	1.00	78.89
18562	CD2	TYR		57	-144.5		-26.488	23.951	1.00	78.24
18563	C	TYR		57			-27.788	26.704	1.00	77.30
18564	ŏ	TYR		57	-140.4		-28.750	27.451	1.00	77.24
18565	N	GLY		58	-139.		-27.286	25.902	1.00	77.50
18566	CA	GLY	D	58	-138.3		-27.836	25.867	1.00	77.58
18567	C	GLY		58	-137.9		-28.299	24.486	1.00	77.47
18568	o	GLY		58	-137.6		-29.481	24.271	1.00	77.49
18569	N	VAL		62	-133.5		-29.159	15.079	1.00	83.22
18570	CA	VAL		62	-132.8		-28.300	14.537	1.00	83.38
18571	CB	VAL		62	-132.0		-29.032	13.430	1.00	83.34
18572	CG1	VAL		62	-130.5		-28.195	12.960	1.00	83.33
18573	CG2		D	62	-131.6		-30.384	13.928	1.00	83.42
18574	C		D	62	-133.4		-26.981	13.990	1.00	83.44
18575	0	VAL	D	62	-134.5		-26.903	13.581	1.00	83.40
18576	N	PHE	D	63	-134.		-25.947	14.008	1.00	83.48
18577	CA		D	63	-132.9		-24.638	13.484	1.00	83.59
18578	CB	PHE	D	63	-132.8		-23.575	14.581	1.00	83.53
18579	CG	PHE	D	63			-23.373	14.063	1.00	83.01
18580	CD1	PHE	D	63			-21.553	13.744	1.00	82.34
18581	CE1	PHE	D	63	-131.		-20.258	13.744	1.00	82.12
18582	CZ	PHE	D	63			-19.549	13.270	1.00	82.46
18583	CE2	PHE	D	63			-20.137	13.434	1.00	82.52
18584	CD2	PHE	D	63	-133.5		-21.436	13.904	1.00	82.81
18585	C	PHE	D	63			-24.325	12.360	1.00	83.79
18586	0	PHE	D	63			-23.604	11.413	1.00	83.64
18587	N	LEU		64	-132.		-24.892	12.487	1.00	84.09
18588	CA	LEU	D	64	-129.		-24.728	11.513	1.00	84.53
18589	CB	LEU		64			-23.315	11.513	1.00	84.49
18590	CG		D	64	-128.3		-23.313	10.387	1.00	84.86
18590	CD1	LEU		64			-23.100	10.544	1.00	85.36
	CD2	LEU		64	-128.5		-23.100			
18592								9.098	1.00	85.27
18593	С	LEU		64			-25.771 -25.688	11.857	1.00	84.75
18594	0	LEU		64	-128.0		-26.773	12.897		84.83
18595 18596	N CA	GLU	D	65 65	-128.5		-26.773	10.999 11.270	1.00	85.08 85.31
18596					-127.3		-27.863	10.961		
	CB	GLU		65			-29.215		1.00	85.43
18598	CG	GLU		65	-128.8			9.559	1.00	85.81
18599	CD	GLU		65	-128.9		-30.781	9.108	1.00	86.74
18600	OE1		D	65	-129.3		-31.019	7.890	1.00	86.19
18601	OE2	GLU		65	-128.8		-31.682	9.973	1.00	87.10
18602	С	GLU		65	-126.3		-27.720	10.482	1.00	85.36
18603	0	GLU	D	65	-126.3		-27.649	9.255	1.00	85.27
18604	N	ASN		66			-27.682	11.172	1.00	85.66
18605	CA	ASN	D	66	-123.9	935	-27.549	10.429	1.00	85.86

FIGURE 3 NA

A	В	С	D	Е		F	G	H	I	J
18606	CB	ASN	D	66	-122	.739	-27.089	11.261	1.00	85.95
18607	CG	ASN		66			-26.298	10.423		86.51
18608		ASN		66	-121		-26.056	9.231		86.46
18609	ND2		D	66	-120		-25.886	11.038	1.00	86.95
18610	C	ASN		66	-123		-28.797	9.625	1.00	
18611	0	ASN		66			-29.897	10.150	1.00	85.83
18612	N	SER		67	-123		-28.560	8.325	1.00	85.60
18613	CA	SER		67	-123		-29.518	7.266	1.00	85.38
18614	CB	SER		67	-124		-30.681	7.392	1.00	85.46
18615	OG	SER		67	-125		-30.273	7.079	1.00	85.72
18616	C	SER		67	-123		-28.552	6.207	1.00	85.18
18617	0	SER		67	-123		-28.739	5.006	1.00	85.31
18618	N	THR		68	-124		-27.487	6.721		84.81
18619	CA	THR		68	-125		-26.374	5.946	1.00	84.50
18620	CB	THR		68	-125		-25.472	6.856	1.00	84.49
18621	OG1	THR		68	-126		-26.254	7.520	1.00	84.48
18622	CG2	THR		68	-126		-24.480	6.034	1.00	84.49
18623	C	THR		68	-123		-25.567	5.426	1.00	84.31
18624	Ö	THR		68	-123		-25.367	4.271	1.00	84.14
18625	N	PHE		69	-123		-25.145	6.301	1.00	84.23
			D							
18626	CA	PHE	D	69 69	-121		-24.591 -23.375	5.944 6.855	1.00	84.08
18627	CB		D				-23.375			
18628 18629	CG	PHE	D	69 69	-122 -123		-22.544	6.934 5.856	1.00	82.91 82.28
	CD1		D					5.923		
18630	CE1	PHE	D	69			-21.001			81.61
18631	CZ	PHE	D	69	-125		-21.000	7.070	1.00	81.37
18632	CE2	PHE	D	69			-21.769	8.152	1.00	81.68
18633	CD2	PHE		69			-22.535 -25.474	8.081	1.00	81.88
18634	C	PHE	D	69	-120			6.026	1.00	84.24
18635	0	PHE	D	69	-119		-25.219	6.806		84.37
18636	N	ASP	D	70	-120		-26.525	5.216	1.00	84.43
18637	CA	ASP	D	70 70	-119 -119		-27.443 -28.881	5.202	1.00	84.64
18638 18639	CB	ASP	D	70	-119		-28.881	5.472 6.958	1.00	84.75
	CG		D							
18640	OD2	ASP		70	-119		-28.400	7.797		85.62
18641		ASP	D	70			-30.077	7.387	1.00	85.61
18642	C	ASP		70	-118		-27.333	3.927	1.00	84.52
18643	0	ASP		70	-117		-28.050	3.763	1.00	84.45
18644	N	GLU		71	-118		-26.430	3.032	1.00	84.45
18645	CA	GLU		71	-118		-26.151	1.830	1.00	84.41
18646	CB	GLU		71	-118		-27.217	0.733	1.00	84.55
18647	CG	GLU		71	-119		-26.955	-0.245	1.00	85.22
18648	CD	GLU		71	-119		-27.195	-1.687		86.06
18649	OE1	GLU		71	-119		-26.533	-2.591	1.00	
18650	OE2	GLU		71	-118		-28.037	-1.917	1.00	
18651	С	GLU		71			-24.713	1.336	1.00	84.10
18652	0	GLU		71	-118		-24.449	0.145	1.00	84.10
18653	N	PHE	D	72	-118		-23.782	2.282	1.00	83.66
18654	CA	PHE	D	72	-118		-22.371	1.949	1.00	83.21
18655	CB	PHE	D	72	-119		-21.669	2.881	1.00	
18656	CG	PHE	D	72	-118	.846	-21.054	4.094	1.00	83.83

FIGURE 3 NB

A	В	С	D	E	I	7	G	Н	I	J
18657	CD1	PHE	D	72	-118.3	310	-21.847	5.093	1.00	84.40
18658	CE1	PHE	D	72			-21.277	6.210	1.00	84.80
18659	CZ	PHE	D	72	-117.6		-19.901	6.341	1.00	84.99
18660	CE2	PHE	D	72			-19.100	5.352	1.00	84.80
18661	CD2	PHE	D	72	-118.8		-19.677	4.239	1.00	84.27
18662	C	PHE	D	72	-117.0		-21.715	1.967	1.00	82.57
18663	ŏ	PHE	D	72	-116.9		-20.506	1.754	1.00	82.33
18664	N	GLY		73	-116.0		-22.544	2.238	1.00	81.88
18665	CA	GLY	D	73			-22.138	2.155	1.00	80.90
18666	C	GLY		73	-113.9		-21.819	3.414	1.00	80.12
18667	ō	GLY	D	73	-112.6		-22.018	3.447	1.00	80.16
18668	N	HIS	D	74	-114.5		-21.317	4.448	1.00	79.14
18669	CA		D	74	-113.8		-20.912	5.644	1.00	78.20
18670	CB	HIS	D	74	-113.8		-19.391	5.784	1.00	78.23
18671	CG		D	74	-113.6		-18.651	4.494	1.00	78.28
18672	ND1	HIS	D	74	-112.4	150	-18.146	4.105	1.00	78.33
18673	CE1	HIS	D	74			-17.529	2.944	1.00	78.17
18674	NE2	HIS	D	74	-113.8		-17.608	2.568	1.00	77.82
18675	CD2	HIS	D	74	-114.5	549	-18.304	3.519	1.00	78.10
18676	С	HIS	D	74	-114.3	389	-21.552	6.910	1.00	77.45
18677	0	HIS	D	74	-115.3	888	-22.264	6.872	1.00	77.60
18678	N	SER	D	75	-113.7	716	-21.316	8.031	1.00	76.48
18679	CA	SER		75	-114.1		-21.825	9.312	1.00	75.42
18680	CB	SER		75	-113.0		-22.173	10.250	1.00	75.46
18681	OG	SER	D	75	-113.5	31	-22.861	11.388	1.00	74.94
18682	C	SER	D	75	-115.0	089	-20.760	9.931	1.00	74.71
18683	0	SER	D	75	-114.9	994	-19.584	9.575	1.00	74.71
18684	N	ILE	D	76	-115.9	956	-21.163	10.853	1.00	73.61
18685	CA	ILE	D	76	-116.9	806	-20.220	11.426	1.00	72.53
18686	CB	ILE	D	76	-118.3	347	-20.638	11.075	1.00	72.60
18687	CG1	ILE	D	76	-118.4	184	-20.801	9.561	1.00	72.56
18688	CD1	ILE	D	76	-119.8	363	-21.200	9.099	1.00	71.45
18689	CG2	ILE	D	76	-119.3	346	-19.612	11.601	1.00	72.53
18690	C	ILE	D	76	-116.7	147	-20.017	12.931	1.00	71.73
18691	0	ILE	D	76	-117.1		-20.869	13.741	1.00	71.52
18692	N	ASN	D	77	-116.1	181	-18.871	13.292	1.00	70.56
18693	CA	ASN	D	77	-115.9	957	-18.530	14.689	1.00	69.44
18694	CB	ASN	D	77	-114.9		-17.352	14.805	1.00	69.52
18695	CG	ASN	D	77	-114.7		-16.953	16.241	1.00	69.69
18696	OD1	ASN	D	77	-114.4		-17.798	17.078	1.00	70.75
18697	ND2	ASN	D	77	-114.8		-15.666	16.541	1.00	69.22
18698	C	ASN	D	77	-117.2		-18.202	15.407	1.00	68.57
18699	0	ASN	D	77	-117.5		-18.819	16.414	1.00	68.24
18700	N	ASP	D	78	-117.9		-17.226	14.881	1.00	67.69
18701	CA	ASP		78	-119.2		-16.817	15.507	1.00	66.94
18702	CB	ASP	D	78	-119.0		-15.598	16.398	1.00	66.72
18703	CG	ASP		78	-119.8		-15.638	17.657	1.00	66.78
18704	OD1	ASP	D	78	-120.9		-16.258	17.648	1.00	65.33
18705	OD2	ASP	D	78	-119.4		-15.079	18.717	1.00	68.20
18706	C	ASP		78	-120.2		-16.494	14.469	1.00	66.38
18707	0	ASP	D	78	-119.9	969	-16.197	13.318	1.00	66.58

FIGURE 3 NC

A	В	C	D	E	F	G	H	I	J
18708	N	TYR	D	79	-121 542	-16.537	14.890	1.00	65.60
18709	CA	TYR		79		-16.235	14.007	1.00	65.15
18710	CB	TYR		79	-123.374		13.612	1.00	65.19
18711	CG	TYR		79		-18.068	14.734	1.00	65.06
18712	CD1	TYR		79	-123.661		15.705	1.00	64.87
18713	CE1	TYR		79		-19.383	16.740	1.00	64.97
18714	CZ	TYR		79		-19.041	16.816	1.00	65.33
18715	OH	TYR		79	-126.555		17.842	1.00	65.81
18716	CE2	TYR		79	-126.326		15.868	1.00	65.17
18717	CD2	TYR		79	-125.553		14.841	1.00	64.78
18718	C	TYR		79		-15.327	14.729	1.00	64.70
18719	0	TYR		79		-15.245	15.948	1.00	64.70
18720	N	SER		80	-124.461		13.966	1.00	64.24
18721						-13.801	14.539	1.00	
18722	CA CB	SER		80 80	-125.469		14.643	1.00	63.93
18723						-11.481			
	OG	SER		80			14.935	1.00	64.06
18724	С	SER		80		-13.888	13.674	1.00	63.70
18725	0	SER		80	-126.727		12.498	1.00	63.51
18726	N	ILE	D	81		-14.381	14.259	1.00	63.43
18727	CA	ILE	D	81	-129.068		13.536	1.00	63.30
18728	CB	ILE	D	81		-15.648	14.109	1.00	63.41
18729	CG1	ILE	D	81	-131.067		13.172	1.00	63.41
18730	CD1	ILE		81	-132.395		13.681	1.00	64.28
18731	CG2	ILE	D	81	-130.482		15.471	1.00	63.53
18732	С		D	81	-129.814		13.608	1.00	63.27
18733	0	ILE	D	81		-12.537	14.670	1.00	63.14
18734	N	SER		82		-12.723	12.466	1.00	63.18
18735	CA	SER		82		-11.502	12.402	1.00	63.33
18736	CB	SER		82		-11.315	10.985	1.00	63.49
18737	OG	SER		82	-133.021		11.001	1.00	64.27
18738	С	SER		82	-132.255		13.418	1.00	63.16
18739	0	SER		82		-12.683	13.683	1.00	63.06
18740	N	PRO		83	-132.644		14.002	1.00	63.18
18741	CA	PRO		83		-10.453	15.018	1.00	63.33
18742	CB	PRO		83	-133.758		15.438	1.00	63.18
18743	CG	PRO		83	-132.471		15.001	1.00	63.17
18744	CD	PRO		83	-132.095		13.747	1.00	63.09
18745	С	PRO		83	-135.070		14.481	1.00	63.62
18746	0	PRO		83	-135.923		15.263	1.00	63.80
18747	N	ASP		84	-135.284		13.173	1.00	63.53
18748	CA	ASP		84		-11.137	12.586	1.00	63.36
18749	CB	ASP	D	84	-136.971	-10.178	11.466	1.00	63.39
18750	CG	ASP	D	84	-136.091	-10.295	10.248	1.00	63.23
18751	OD1	ASP		84	-135.357		10.130	1.00	62.23
18752	OD2	ASP	D	84	-136.072	-9.421	9.356	1.00	63.40
18753	C	ASP		84	-136.539		12.083	1.00	63.32
18754	0	ASP	D	84	-137.450	-13.010	11.392	1.00	63.35
18755	N	GLY	D	85	-135.474	-13.284	12.424	1.00	63.38
18756	CA	GLY	D	85	-135.340	-14.685	12.077	1.00	63.24
18757	C	GLY	D	85	-135.015	-14.989	10.630	1.00	63.26
18758	0	GLY	D	85	-134.825	-16.151	10.277	1.00	63.30

FIGURE 3 ND

A	В	С	D	Е		F	G	H	I	J
18759	N	GLN	D	86	-134.	934	-13.961	9.792	1.00	63.30
18760	CA	GLN		86			-14.169	8.368	1.00	
18761	CB	GLN		86			-12.998	7.541		63.52
18762	CG			86			-12.951	7.521	1.00	64.35
18763	CD	GLN		86	-137.		-11.754	6.778	1.00	65.38
18764	OE1	GLN		86			-10.912	7.372		65.62
18765	NE2	GLN		86			-11.675	5.476	1.00	65.65
18766	C	GLN		86			-14.475	8.008	1.00	63.32
18767	ŏ	GLN		86			-15.501	7.397	1.00	63.52
18768	N	PHE	D	87			-13.593	8.392	1.00	63.19
18769	CA	PHE	D	87	-130.		-13.772	8.021		62.76
18770	CB	PHE	D	87	-130.		-12.466	7.482	1.00	62.99
18771	CG		D	87			-11.970	6.262	1.00	63.91
18772	CD1	PHE	D	87			-12.487	5.014	1.00	64.41
18773	CE1	PHE	D	87			-12.027	3.877	1.00	64.88
18774	CZ	PHE	D	87	-132.	336	-11.043	3.981	1.00	65.49
18775	CE2	PHE	D	87	-132.		-10.518	5.228	1.00	65.49
18776	CD2		D	87	-132.		-10.984	6.358	1.00	64.68
18777	C	PHE	D	87			-14.282	9.132	1.00	62.35
18778	0	PHE	D	87	-130.	378	-14.352	10.300	1.00	62.63
18779	N	ILE	D	88	-128.	786	-14.656	8.736	1.00	61.42
18780	CA	ILE	D	88	-127.	760	-15.054	9.673	1.00	60.54
18781	CB		D	88			-16.577	9.741	1.00	60.82
18782	CG1	ILE	D	88	-126.		-16.918	10.413	1.00	60.96
18783	CD1	ILE	D	88	-126.	024	-18.405	10.653	1.00	62.14
18784	CG2	ILE	D	88			-17.170	8.368	1.00	60.40
18785	С	ILE	D	88	-126.	462	-14.419	9.241	1.00	59.79
18786	0	ILE	D	88	-126.	043	-14.541	8.087	1.00	59.64
18787	N	LEU	D	89	-125.	842	-13.711	10.175	1.00	58.71
18788	CA	LEU	D	89	-124.	556	-13.117	9.923	1.00	57.45
18789	CB	LEU	D	89	-124.	316	-11.987	10.909	1.00	57.41
18790	CG	LEU	D	89	-123.	070	-11.161	10.622	1.00	57.49
18791	CD1	LEU	D	89	-122.	988	-10.017	11.608	1.00	57.05
18792	CD2	LEU	D	89	-123.	098	-10.650	9.191	1.00	56.64
18793	С	LEU	D	89	-123.	532	-14.215	10.128	1.00	56.69
18794	0	LEU	D	89	-123.	682	-15.044	11.029	1.00	56.50
18795	N	LEU	D	90	-122.	513	-14.254	9.277	1.00	55.64
18796	CA	LEU	D	90	-121.	441	-15.228	9.447	1.00	54.69
18797	CB	LEU	D	90	-121.	392	-16.246	8.306	1.00	54.88
18798	CG	LEU	D	90	-122.	565	-17.225	8.179	1.00	55.57
18799	CD1	LEU	D	90	-122.	482	-18.002	6.863	1.00	55.72
18800	CD2	LEU	D	90	-122.	642	-18.193	9.369	1.00	56.14
18801	C	LEU	D	90	-120.	106	-14.514	9.612	1.00	53.74
18802	0	LEU	D	90	-119.	693	-13.708	8.777	1.00	53.63
18803	N	GLU		91	-119.		-14.821	10.720	1.00	52.71
18804	CA	GLU	D	91	-118.	185	-14.228	11.089	1.00	51.54
18805	CB	GLU		91	-118.		-13.849	12.569	1.00	51.93
18806	CG	GLU	D	91	-117.		-12.974	13.083	1.00	52.01
18807	CD	GLU	D	91			-12.450	14.471	1.00	52.71
18808	OE1	GLU		91	-117.		-13.103	15.455	1.00	53.26
18809	OE2	GLU	D	91	-118.	089	-11.402	14.574	1.00	52.28

FIGURE 3 NE

A	В	C	D	E	F	G	H	I	J
	_								
18810	C	GLU		91		3 -15.244	10.879	1.00	50.56
18811	0	GLU		91		7 -16.374	11.378	1.00	50.30
18812	N	TYR		92		-14.837	10.149	1.00	49.43
18813	CA	TYR		92		3 -15.707	9.899	1.00	48.37
18814	CB	TYR		92		5 -16.650	8.724	1.00	48.77
18815	CG	TYR		92	-115.43		7.407	1.00	47.98
18816	CD1	TYR		92		3 -15.238	7.186	1.00	48.58
18817	CE1	TYR		92		3 -14.598	5.977	1.00	50.05
18818	CZ	TYR		92		4 -14.676	4.976	1.00	49.53
18819	OH	TYR		92		2 -14.035	3.780	1.00	50.03
18820	CE2	TYR		92		3 -15.384	5.180	1.00	48.92
18821	CD2	TYR		92		-16.016	6.386	1.00	47.76
18822	C	TYR		92	-113.69		9.642	1.00	47.68
18823	0	TYR		92		3 -13.648	9.395	1.00	47.18
18824	N	ASN		93		1 -15.463	9.692	1.00	47.05
18825	CA	ASN		93		2 -14.721	9.583	1.00	47.12
18826	CB	ASN		93		9 -14.065	8.215	1.00	47.56
18827	CG	ASN		93		3 -15.063	7.146	1.00	49.03
18828	OD1	ASN		93		5 -16.200	7.458	1.00	50.33
18829	ND2	ASN		93		7 -14.648	5.883	1.00	48.85
18830	С	ASN		93		9 -13.720	10.737	1.00	46.43
18831	0	ASN		93		3 -12.555	10.561	1.00	45.96
18832	N	TYR		94		5 -14.214	11.920	1.00	45.67
18833	CA	TYR		94		1 -13.459	13.165	1.00	45.50
18834	CB	TYR		94		-14.277	14.298	1.00	45.58
18835	CG	TYR		94		9 -13.851	15.704	1.00	46.25
18836	CD1	TYR		94	-112.362		16.388	1.00	45.76
18837	CE1	TYR		94		3 -12.534	17.679	1.00	45.45
18838	CZ	TYR		94		2 -13.119	18.305	1.00	46.65
18839	OH	TYR		94		9 -12.765	19.597	1.00	45.85
18840	CE2	TYR		94		-14.076	17.649	1.00	46.49
18841	CD2	TYR		94		5 -14.435	16.364	1.00	46.48
18842	С	TYR		94	-109.91		13.546	1.00	44.63
18843	0	TYR		94		5 -14.026	13.806	1.00	44.39
18844	N	VAL		95		3 -11.846	13.554	1.00	43.64
18845	CA	VAL		95		1 -11.437	14.087	1.00	43.01
18846	CB	VAL		95		4 -10.815	13.034	1.00	43.31
18847	CG1	VAL		95		-10.381	13.700	1.00	42.61
18848	CG2	VAL		95		9 -11.808	11.898	1.00	42.96
18849	С	VAL		95	-108.51		15.250	1.00	42.24
18850	0	VAL		95	-108.87		15.059	1.00	42.07
18851	N	LYS		96		9 -10.986	16.458	1.00	41.35
18852	CA	LYS		96	-108.47		17.696	1.00	39.85
18853	CB	LYS		96	-108.243		18.886	1.00	40.10
18854	CG	LYS		96	-108.00		20.204	1.00	40.77
18855	CD	LYS		96	-107.842		21.357	1.00	41.13
18856	CE	LYS		96	-107.905		22.701	1.00	41.42
18857	NZ	LYS	D	96	-106.968		22.765	1.00	40.32
18858	C	LYS		96	-107.53		17.817	1.00	38.99
18859	0	LYS		96	-106.360		17.482	1.00	38.20
18860	N	GLN	D	97	-108.062	2 -7.921	18.294	1.00	37.80

FIGURE 3 NF

A	В	С	D	Е		F	G	Н	I	J
18861	CA	GLN	D	97	-107	.241	-6.753	18.574	1.00	36.98
18862	CB	GLN		97		.837	-5.459	18.007		37.03
18863	CG	GLN		97		.787	-4.329	17.891	1.00	39.86
18864	CD	GLN	D	97	-107	.361	-2.993	17.384	1.00	43.93
18865	OE1	GLN	D	97	-106	.611	-2.128	16.904	1.00	45.44
18866	NE2	GLN	D	97	-108	.674	-2.818	17.509	1.00	43.75
18867	С	GLN	D	97		.045	-6.660	20.089		35.89
18868	0	GLN	D	97		.176	-7.333	20.644	1.00	34.79
18869	N	TRP	D	98		.872	-5.858	20.757	1.00	34.86
18870	CA	TRP	D	98		.759	-5.713	22.200		34.39
18871	CB	TRP	D	98		.954	-4.259	22.622	1.00	33.78
18872	CG	TRP	D	98		.147	-3.306	21.804	1.00	31.88
18873	CD1	TRP	D	98		.574	-2.115	21.269		29.98
18874	NE1 CE2	TRP	D	98		.553	-1.509	20.578		29.57
18875 18876	CD2	TRP	D D	98 98		.434	-2.303 -3.446	21.416		29.79
18877	CE3	TRP	D	98		1.796	-4.421	21.416		29.79
18878	CZ3	TRP	D	98		3.539	-4.238	21.032		28.94
18879	CH2	TRP	D	98		3.232	-3.095	20.339		28.53
18880	CZ2	TRP	D	98		1.167	-2.121	20.107		28.56
18881	C	TRP	D	98		675	-6.669	22.964	1.00	34.42
18882	o	TRP		98		.842	-7.810	22.564	1.00	34.63
18883	N	ARG		99		.239	-6.229	24.076		34.58
18884	CA	ARG		99		.052	-7.129	24.888		34.95
18885	CB	ARG		99		.304	-6.549	26.278		34.75
18886	CG	ARG	D	99		.866	-7.562	27.244	1.00	35.56
18887	CD	ARG	D	99	-111	.431	-6.975	28.536	1.00	37.79
18888	NE	ARG	D	99	-110	.423	-6.374	29.400	1.00	38.21
18889	CZ	ARG	D	99	-109	.616	-7.060	30.224	1.00	39.10
18890	NH1	ARG	D	99	-109	.682	-8.383	30.263	1.00	37.89
18891	NH2	ARG	D	99		.736	-6.420	31.009		35.22
18892	C	ARG	D	99		.388	-7.497	24.267		35.24
18893	0	ARG		99		.866	-8.617	24.461	1.00	35.09
18894	N	HIS	D	100		.005	-6.549	23.561	1.00	35.52
18895	CA	HIS	D	100		.302	-6.797	22.928		36.27
18896	CB	HIS	D	100		.357	-5.800	23.427		36.19
18897	CG	HIS	D	100		.434	-5.688	24.915		36.00
18898	ND1	HIS	D	100		.035	-6.645	25.704	1.00	36.53
18899 18900	CE1 NE2	HIS	D	100		1.950	-6.282 -5.130	26.973	1.00	35.21
18901	CD2	HIS	D D	100		3.976	-4.736	27.031 25.760		34.03
18902	C C	HIS	D	100		3.184	-6.623	21.421	1.00	37.21
18903	0		D	100		3.886	-7.279	20.650		36.96
18904	N	SER	D	101		2.299	-5.710	21.025		38.32
18905	CA	SER		101		.084	-5.386	19.638		39.66
18906	CB	SER	D	101		.213	-4.137	19.477	1.00	39.82
18907	OG	SER	D	101		.019	-4.237	20.223		39.55
18908	C	SER	D	101		.464	-6.525	18.886		40.65
18909	0	SER	D	101		.700	-7.313	19.428	1.00	40.80
18910	N	TYR	D	102	-111	.847	-6.594	17.621	1.00	42.09
18911	CA	TYR	D	102	-111	.339	-7.556	16.677	1.00	43.32

FIGURE 3 NG

A	В	C	D	E	F	G	H	1	J
10010	O.D.	mire	_	100	111 750	0.000	17 015	1 00	42 40
18912	CB			102	-111.758 -113.246	-8.988 -9.306	17.015 16.979	1.00	43.40
18913	CG			102					
18914	CD1	TYR			-113.883	-9.621	15.780	1.00	
18915	CE1	TYR			-115.236	-9.945	15.744		43.98
18916	CZ			102	-115.967	-9.973	16.922	1.00	
18917	OH	TYR			-117.311	-10.301	16.887		43.54
18918	CE2	TYR			-115.351	-9.681	18.129	1.00	43.06
18919	CD2	TYR			-113.996	-9.358	18.151	1.00	43.54
18920	С	TYR			-111.796	-7.152	15.285	1.00	44.34
18921	0	TYR			-112.540	-6.185	15.093	1.00	43.86
18922	N	THR			-111.320	-7.907	14.317	1.00	45.77
18923	CA			103	-111.582	-7.634	12.930	1.00	47.06
18924	CB	THR			-110.303	-7.059	12.321	1.00	47.16
18925	OG1			103	-110.625	-6.135	11.278	1.00	47.95
18926	CG2			103	-109.486	-8.139	11.646	1.00	47.43
18927	С			103	-111.937	-8.981	12.336		47.65
18928	0			103	-111.437	-10.007	12.796	1.00	47.29
18929	N	ALA			-112.835	-8.988	11.356	1.00	49.01
18930	CA	ALA				-10.239	10.717	1.00	50.41
18931	CB	ALA			-114.139	-11.057	11.657	1.00	49.90
18932	С	ALA			-113.959		9.377	1.00	51.59
18933	0	ALA			-114.330	-8.918	8.999	1.00	51.48
18934	N			105	-114.118		8.655	1.00	52.93
18935	CA			105		-11.131	7.414	1.00	54.56
18936	CB			105	-114.257		6.374	1.00	54.31
18937	OG			105	-113.328		5.553	1.00	54.83
18938	С			105	-116.273		7.763	1.00	55.67
18939	0			105	-116.462		8.729	1.00	55.62
18940	N			106	-117.247		6.977	1.00	57.16
18941	CA	TYR			-118.649		7.221	1.00	58.72
18942	CB	TYR			-119.347		7.952	1.00	58.66
18943	CG	TYR			-118.833		9.355	1.00	58.17
18944	CD1	TYR			-117.882	-9.029	9.584	1.00	57.42
18945	CE1	TYR			-117.422	-8.759	10.864	1.00	57.44
18946	CZ	TYR			-117.926	-9.485	11.925		57.96
18947	OH			106	-117.499	-9.248	13.211	1.00	57.93
18948	CE2					-10.463	11.714	1.00	58.05
18949	CD2	TYR				-10.723	10.443	1.00	57.40
18950	С	TYR			-119.430		5.942	1.00	59.84
18951	0	TYR				-11.074	4.942	1.00	59.99
18952	N	ASP			-120.195		5.983	1.00	61.24
18953	CA	ASP			-121.074		4.881	1.00	62.79
18954	CB	ASP	D	107		-14.489	4.177		62.64
18955	CG	ASP			-119.475		3.225	1.00	
18956	OD1	ASP	D	107	-119.417	-13.167	2.614	1.00	64.55
18957	OD2	ASP			-118.575		3.030	1.00	64.76
18958	C	ASP	D	107	-122.459	-13.388	5.467	1.00	63.71
18959	0	ASP	D	107	-122.614	-13.966	6.538	1.00	63.78
18960	N	ILE	D	108	-123.463	-12.866	4.778	1.00	65.01
18961	CA	ILE	D	108	-124.833	-13.012	5.233	1.00	66.28
18962	CB	ILE	D	108	-125.633	-11.744	4.919	1.00	66.20

FIGURE 3 NH

A	В	С	D	E	F	,	G	H	I	J
18963	CG1	ILE	D	108			-10.522	5.487		65.90
18964	CD1	ILE	D	108	-125.3		-9.229	4.838	1.00	65.83
18965	CG2	ILE	D	108	-127.0		-11.853	5.467	1.00	66.26
18966	С	ILE	D	108	-125.4		-14.210	4.533	1.00	67.30
18967	0		D	108			-14.334	3.318	1.00	67.32
18968	N			109			-15.105	5.302	1.00	68.69
18969	CA	TYR		109			-16.266	4.718	1.00	69.84
18970	CB	TYR		109			-17.535	5.456	1.00	69.90
18971	CG	TYR		109			-18.719	5.197	1.00	71.09
18972	CD1	TYR		109	-127.0		-19.519	4.071	1.00	71.85
18973	CE1	TYR		109	-127.8		-20.613	3.849	1.00	72.41
18974	CZ	TYR		109	-128.8		-20.912	4.761	1.00	72.30
18975	OH	TYR		109	-129.7		-21.990	4.565	1.00	73.12
18976	CE2	TYR		109			-20.133	5.878	1.00	72.36
18977	CD2	TYR		109			-19.049	6.091	1.00	71.87
18978 18979	C	TYR		109	-128.7		-16.058 -15.532	4.754 5.725	1.00	70.68
18980	N	TYR		109 110	-128.8		-16.462		1.00	70.66
18981	CA	ASP		110			-16.284	3.675 3.539	1.00	72.51
18982	CB			110	-130.2		-16.254	2.066	1.00	72.59
18983	CG	ASP		110			-15.096	1.874	1.00	72.74
18984	OD1	ASP		110			-15.387	2.377	1.00	72.74
18985	OD2	ASP		110	-131.6		-14.028	1.231	1.00	72.64
18986	C	ASP	D	110			-17.541	4.032	1.00	73.04
18987	Ö	ASP		110	-130.6		-18.644	3.610	1.00	73.06
18988	N	LEU		111			-17.387	4.935	1.00	73.76
18989	CA	LEU	D	111			-18.549	5.415	1.00	74.52
18990	CB			111			-18.139	6.306	1.00	74.64
18991	CG	LEU	D	111			-18.587	7.761	1.00	74.93
18992	CD1	LEU	D	111			-18.249	8.531	1.00	75.05
18993	CD2	LEU	D	111	-133.4	28	-20.093	7.815	1.00	75.00
18994	С		D	111			-19.360	4.242	1.00	74.88
18995	0	LEU	D	111	-133.0	080	-20.590	4.220	1.00	74.88
18996	N	ASN	D	112	-133.7	43	-18.650	3.259	1.00	75.22
18997	CA	ASN	D	112	-134.3	43	-19.280	2.084	1.00	75.36
18998	CB	ASN					-18.231	1.217	1.00	75.30
18999	CG	ASN		112			-17.841	-0.031	1.00	75.30
19000	OD1	ASN		112			-18.698	-0.807	1.00	76.06
19001	ND2			112	-134.1		-16.540	-0.249	1.00	74.06
19002	С	ASN					-20.158	1.256	1.00	75.42
19003	0	ASN		112			-20.069	1.381	1.00	75.54
19004	N			116			-18.276	0.911	1.00	72.76
19005	CA	LEU		116	-125.7			1.077	1.00	72.77
19006	CB	LEU	D	116	-124.5		-18.284	0.774	1.00	72.85
19007	CG	LEU		116	-123.2		-17.815	1.421	1.00	73.32
19008	CD1			116	-123.0		-18.509	2.758	1.00	73.79
19009	CD2	LEU	D	116			-18.083	0.515	1.00	73.55
19010 19011	C	LEU	D	116 116			-16.283 -16.389	0.131	1.00	72.74
19011	N	ILE		117			-15.148	0.582	1.00	72.64
19012	CA			117			-13.148	-0.251		72.25
12013	CM	TPR	D	11/	-123.3	100	-13.900	-0.231	1.00	12.23

FIGURE 3 NI

A	В	С	D	Е	F	G	H	I	J
19014	СВ	ILE	D	117	-125.816	-12.745	0.548	1.00	72.24
19015	CG1	ILE		117	-127.255		1.012	1.00	72.43
19016	CD1	ILE			-127.974		1.332	1.00	72.87
19017	CG2	ILE	D	117	-125.718	-11.486	-0.289	1.00	72.17
19018	С			117	-123.974	-13.761	-0.844	1.00	72.07
19019	0	ILE	D	117	-122.968	-14.129	-0.226	1.00	72.23
19020	N	THR	D	118	-123.934	-13.193	-2.049	1.00	71.58
19021	CA	THR	D	118	-122.689		-2.789	1.00	71.02
19022	CB	THR	D	118	-122.687	-13.981	-3.968	1.00	71.07
19023	OG1	THR	D	118	-123.715	-13.584	-4.886	1.00	71.10
19024	CG2	THR	D	118	-123.124	-15.369	-3.517	1.00	71.27
19025	С	THR	D	118	-122.537	-11.615	-3.327	1.00	70.60
19026	0	THR	D	118	-121.457	-11.214	-3.762	1.00	70.73
19027	N	GLU	D	119	-123.626	-10.863	-3.303	1.00	69.83
19028	CA	GLU	D	119	-123.605	-9.515	-3.838	1.00	69.16
19029	CB	GLU	D	119	-124.845	-9.268	-4.699	1.00	69.35
19030	CG	GLU	D	119	-125.182	-7.797	-4.846	1.00	69.93
19031	CD	GLU	D	119	-125.356	-7.382	-6.290	1.00	70.41
19032	OE1	GLU	D	119	-126.374	-7.766	-6.908	1.00	69.96
19033	OE2	GLU	D	119	-124.467	-6.668	-6.801	1.00	70.62
19034	С	GLU	D	119	-123.471	-8.424	-2.779	1.00	68.55
19035	0	GLU			-124.180	-8.409	-1.770	1.00	68.12
19036	N	GLU			-122.546	-7.505	-3.031	1.00	67.97
19037	CA	GLU			-122.332	-6.389	-2.137	1.00	67.25
19038	CB	GLU			-123.639	-5.599	-2.023	1.00	67.27
19039	CG	GLU			-123.479	-4.091	-2.106	1.00	67.86
19040	CD	GLU			-122.505	-3.657	-3.187	1.00	68.83
19041	OE1	GLU			-122.954	-3.364	-4.314	1.00	69.63
19042	OE2	GLU			-121.287	-3.600	-2.904	1.00	68.90
19043	C	GLU			-121.867	-6.911	-0.771	1.00	66.58
19044	0	GLU			-122.200	-6.336	0.265	1.00	66.55
19045	N	ARG			-121.087	-7.994	-0.785	1.00	65.55
19046	CA	ARG			-120.622	-8.649	0.442	1.00	64.67
19047	CB	ARG			-119.613	-9.765	0.131	1.00	64.99
19048	CG	ARG			-120.208	-11.019	-0.472	1.00	65.62
19049	CD	ARG			-119.162	-12.018	-0.942	1.00	67.66
19050	NE	ARG			-118.595	-12.808	0.150	1.00	68.80
19051	CZ	ARG			-117.338	-13.233	0.188	1.00	70.07
19052	NH1	ARG			-116.508	-12.931	-0.800	1.00	70.63
19053	NH2	ARG			-116.907	-13.961	1.212	1.00	70.91
19054	C	ARG			-120.016	-7.676	1.446	1.00	63.70
19055 19056	0	ARG			-119.550	-6.590	1.079 2.719	1.00	63.62
19056	N			122	-120.032 -119.464	-8.069 -7.225		1.00	62.24
19057	CA CB	ILE		122 122	-119.464	-7.716	3.767 5.169	1.00	60.81
19058	CG1	ILE		122	-119.882	-7.716	5.431	1.00	60.82
19059	CD1			122	-121.350	-8.143	6.584	1.00	60.01
19060	CG2	ILE			-119.035	-7.057	6.228	1.00	60.74
19062	C			122	-117.958	-7.232	3.603	1.00	59.48
19062	Ö			122	-117.360	-8.292	3.438	1.00	59.65
19063	N	PRO			-117.347	-6.054	3.636		58.43
20004	1.4	2110	D	123	111.341	0.034	3.050	1.00	50.45

FIGURE 3 NJ

A	В	С	D	Е	F	G	H	1	J
19065	CA	PRO	D	123	-115.90	00 -5.9	25 3.424	1.00	57.67
19066	CB	PRO	D	123	-115.63				57.56
19067	CG	PRO		123	-116.93				57.74
19068	CD	PRO		123	-117.99				58.33
19069	C	PRO		123	-115.09				57.15
19070	0	PRO		123	-115.50				56.86
19071	N	ASN		124	-113.95				56.83
19072	CA			124	-113.04				56.33
19073	CB	ASN		124	-111.93				56.81
19074	CG	ASN		124	-112.43				58.53
19075	OD1	ASN	D	124	-112.75				58.70
19076	ND2	ASN		124	-112.50				63.09
19077	C	ASN		124	-112.4				55.47
19078 19079	0	ASN ASN		124	-112.50				55.37 54.44
19079	N			125 125	-111.84 -111.24				53.40
19080	CA CB	ASN			-111.2				53.40
19081	CG	ASN	D	125	-110.0				54.78
19083	OD1	ASN	D	125	-108.70				55.43
19084	ND2	ASN		125	-108.3				55.14
19085	C		D	125	-112.2				52.51
19086	Ö	ASN		125	-111.9				52.05
19087	N	THR		126	-113.5				51.47
19088	CA	THR		126	-114.58				50.59
19089	CB	THR		126	-115.95				50.76
19090	OG1	THR		126	-116.1				51.43
19091	CG2	THR			-117.08				49.95
19092	С	THR		126	-114.42	24 -5.1	06 10.585		50.03
19093	0	THR	D	126	-114.28	33 -6.1	48 11.227	1.00	49.49
19094	N	GLN	D	127	-114.43		05 11.149	1.00	49.48
19095	CA	GLN	D	127	-114.15				48.83
19096	CB		D	127	-113.69				48.55
19097	CG	GLN		127	-112.39				48.02
19098	CD	GLN	D	127	-112.2				47.42
19099	OE1	GLN		127	-111.2				47.05
19100	NE2	GLN		127	-113.2				47.63
19101	С	GLN	D	127	-115.30				48.68
19102	0	GLN		127	-115.08				48.22
19103	N	TRP	D	128	-116.52				48.58
19104 19105	CA CB	TRP		128 128	-117.68				48.57 48.61
19105	CG	TRP	D D	128	-117.78 -118.92				48.73
19106	CD1	TRP		128	-118.9				48.73
19107	NE1	TRP	D	128	-120.89				50.23
19109	CE2	TRP		128	-120.2				49.20
19110	CD2	TRP		128	-119.00				49.16
19111	CE3	TRP	D	128	-118.14				49.46
19112	CZ3	TRP		128	-118.5				49.93
19113	CH2	TRP	D	128	-119.79				49.45
19114	CZ2	TRP	D	128	-120.6				49.26
19115	C	TRP	D	128	-118.9	57 -4.1	98 12.999	1.00	48.57

FIGURE 3 NK

A	В	С	D	E	F	G	H	I	J
19116	0	TRP	D	128	-119.195	-3.286	12.215	1.00	48.33
19117	N			129	-119.810	-5.195	13.193	1.00	49.01
19118	CA	VAL			-121.094	-5.208	12.515	1.00	49.67
19119	CB	VAL			-121.119	-6.213	11.356	1.00	49.72
19120	CG1	VAL			-120.447	-7.495	11.762		49.39
19121	CG2	VAL			-122.557	-6.454	10.889	1.00	49.71
19122	C			129	-122.209	-5.509	13.502	1.00	49.93
19123	ŏ	VAL			-122.088	-6.404	14.337	1.00	49.80
19124	N			130	-123.296	-4.754	13.395	1.00	50.50
19125	CA			130	-124.420	-4.922	14.296	1.00	51.14
19126	CB			130	-124.385	-3.833	15.364	1.00	51.17
19127	OG1	THR			-125.549	-3.945	16.191	1.00	51.18
19128	CG2	THR		130	-124.541	-2.472	14.713	1.00	51.04
19129	C	THR		130	-125.767	-4.868	13.589	1.00	51.70
19130	ō	THR		130	-126.021	-3.986	12.766	1.00	51.85
19131	N	TRP	D	131	-126.628	-5.821	13.929	1.00	52.17
19132	CA	TRP		131	-127.992	-5.862	13.425	1.00	52.29
19133	CB	TRP		131	-128.630	-7.222	13.728	1.00	52.28
19134	CG	TRP		131	-128.260	-8.344	12.812	1.00	51.72
19135	CD1	TRP			-127.645	-9.507	13.156	1.00	52.54
19136	NE1	TRP	D	131	-127.487	-10.310	12.050	1.00	51.98
19137	CE2	TRP		131	-128.016	-9.670	10.961	1.00	51.62
19138	CD2	TRP		131	-128.521	-8.432	11.406	1.00	51.68
19139	CE3	TRP		131	-129.123	-7.582	10.469	1.00	50.91
19140	CZ3	TRP	D	131	-129.193	-7.988	9.150	1.00	50.91
19141	CH2	TRP	D	131	-128.684	-9.223	8.745	1.00	51.06
19142	CZ2			131	-128.094	-10.077	9.633	1.00	51.33
19143	C	TRP		131	-128.822	-4.804	14.133	1.00	52.55
19144	0	TRP	D	131	-128.423	-4.278	15.175	1.00	52.62
19145	N	SER	D	132	-129.975	-4.491	13.548	1.00	52.94
19146	CA	SER	D	132	-130.971	-3.617	14.152	1.00	52.94
19147	CB	SER	D	132	-132.122	-3.375	13.171	1.00	53.12
19148	OG	SER	D	132	-131.735	-2.586	12.071	1.00	53.77
19149	С	SER	D	132	-131.543	-4.395	15.317	1.00	52.84
19150	0	SER	D	132	-131.464	-5.620	15.336	1.00	52.63
19151	N	PRO	D	133	-132.139	-3.703	16.276	1.00	52.97
19152	CA	PRO	D	133	-132.754	-4.378	17.420	1.00	53.51
19153	CB	PRO	D	133	-133.206	-3.221	18.317	1.00	53.54
19154	CG	PRO	D	133	-132.435	-2.035	17.837	1.00	53.15
19155	CD	PRO	D	133	-132.264	-2.240	16.358	1.00	53.16
19156	С	PRO	D	133	-133.945	-5.193	16.933	1.00	54.07
19157	0	PRO	D	133	-134.241	-6.255	17.482	1.00	54.04
19158	N	VAL	D	134	-134.615	-4.681	15.901	1.00	54.63
19159	CA	VAL	D	134	-135.711	-5.383	15.241	1.00	54.97
19160	CB	VAL	D	134	-137.041	-4.623	15.383	1.00	55.20
19161	CG1	VAL	D	134	-137.425	-4.443	16.859	1.00	56.05
19162	CG2	VAL	D	134	-136.956	-3.278	14.683	1.00	55.03
19163	C	VAL	D	134	-135.406	-5.481	13.747	1.00	54.97
19164	0	VAL	D	134	-134.654	-4.676	13.208	1.00	54.98
19165	N	GLY	D	135	-135.988	-6.466	13.076	1.00	54.98
19166	CA	GLY	D	135	-135.831	-6.577	11.635	1.00	55.15

FIGURE 3 NL

19167 C	A	В	C	D	E	F	G	H	1	J
1916		_		_						
1916 N										
19170 CA										
19171 CB HIS D 136 -132.984 -8.200 8.573 1.00 54.83										
19172 CG										
19173 ND1 HIS D 136										
19174 CE1 HIS D 136										
19175 NEZ HIS D 136										
19176 CD2 HIS D 136 -133.443 -6.929 6.352 1.00 56.44 19177 C										
19177 C										
19178 O										
19179 N										
19180 CA LYS D 137 -131.046 -3.721 8.848 1.00 53.39										
19181 CB										
19182 CG LYS D 137										
1918 CD										
19184 CE										
19186 NZ										
19186 C										
1918										
19188 N LEU D 138										
19189 CA LEU D 138 -127.267 -3.692 9.262 1.00 53.28 19191 CG LEU D 138 -126.714 -4.705 8.252 1.00 53.54 19191 CG LEU D 138 -126.714 -4.705 8.252 1.00 53.54 19192 CDI LEU D 138 -126.255 -5.902 8.701 1.00 54.35 19193 CDZ LEU D 138 -126.265 -6.391 10.088 1.00 54.55 19194 C LEU D 138 -126.366 -2.465 9.313 1.00 52.93 19195 O LEU D 138 -126.366 -2.465 9.313 1.00 52.93 19196 N ALA D 139 -125.600 -2.330 10.390 1.00 52.47 19197 CA ALA D 139 -124.991 -0.252 11.555 1.00 51.86 19199 C ALA D 139 -123.274 -1.913 10.820 1.00 51.48 19190 C ALA D 139 -123.274 -1.913 10.820 1.00 51.49 19200 O ALA D 139 -123.274 -1.913 10.820 1.00 51.49 19201 N TYR D 140 -120.905 -2.643 10.367 1.00 50.77 19202 CA TYR D 140 -120.905 -2.643 10.367 1.00 50.32 19204 CG TYR D 140 -120.615 -3.162 9.362 1.00 50.32 19205 CDI TYR D 140 -120.555 -2.693 7.924 1.00 51.56 19206 CEI TYR D 140 -120.493 -1.357 3.788 1.00 52.91 19209 CE TYR D 140 -120.493 -1.357 3.788 1.00 53.81 19209 CE TYR D 140 -120.493 -1.357 3.788 1.00 53.81 19209 CE TYR D 140 -120.493 -1.357 3.788 1.00 53.81 19210 CD TYR D 140 -121.661 -2.471 5.765 1.00 51.80 19211 C TYR D 140 -121.661 -2.471 5.765 1.00 54.80 19211 C TYR D 140 -121.663 -2.907 7.080 1.00 49.17 19212 C TYR D 140 -121.666 -0.137 9.750 1.00 49.14 19213 C TYR D 140 -121.666 -0.137 9.750 1.00 49.14 19213 C TYR D 140 -120.499 -0.137 0.050 1.00 49.17 19215 CB VAL D 141 -111.602 -0.202 10.738 1.00 47.62 19215 CB VAL D 141 -117.717 0.300 12.142 1.00 47.62 19216 CGI VAL D 141										
19190 CB LEU D 138										
19191 CG										
1919 201 LEU D 138 -126.255 -6.391 10.088 1.00 54.55										
19193 CD2 LEU D 138										
19194 C										
19195 O LEU D 138										
19196 N										
19197 CA ALA D 139 -124.610 -1.264 10.494 1.00 51.88 19198 CB ALA D 139 -124.919 -0.252 11.555 1.00 51.86 19199 C ALA D 139 -123.274 -1.913 10.820 1.00 51.49 19200 O ALA D 139 -123.201 -2.811 11.654 1.00 51.73 19201 N TYR D 140 -122.223 -1.481 10.139 1.00 50.73 19202 CA TYR D 140 -120.905 -2.043 10.367 1.00 50.17 19203 CB TYR D 140 -120.615 -3.162 9.362 1.00 50.15 19205 CD TYR D 140 -120.595 -2.693 7.924 1.00 50.15 19206 CEI TYR D 140 -119.491 -2.030 7.412 1.00 52.15 19207 CZ TYR D 140 -119.461 -1.595 61.08 1.00 52.91 19208 CB TYR D 140 -120.493 -1.357 3.978 1.00 53.81 19209 CE2 TYR D 140 -121.661 -2.471 5.765 1.00 52.68 19210 CD2 TYR D 140 -121.683 -2.907 7.080 1.00 51.80 19211 C TYR D 140 -121.663 -2.907 7.080 1.00 49.14 19212 O TYR D 140 -121.663 -2.907 7.080 1.00 49.14 19213 N VAL D 141 -118.676 -1.186 10.055 1.00 49.17 19215 CB VAL D 141 -117.602 -0.202 10.738 1.00 47.62 19216 CG1 VAL D 141 -117.717 0.300 12.442 1.00 47.62 19216 CG1 VAL D 141 -117.717 0.300 12.482 1.00 40.462 19216 CG1 VAL D 141 -118.347 0.393 12.868 1.00 40.946 19216 CG1 VAL D 141 -118.347 0.393 12.868 1.00 40.946 19216 CG1 VAL D 141 -118.347 0.393 12.868 1.00 40.946										
19198 CB										
19199 C										
19200 O ALA D 139 -123.201 -2.811 11.654 1.00 51.73 19201 N TYR D 140 -122.223 -1.481 10.139 1.00 50.77 19202 CA TYR D 140 -120.905 -2.043 10.367 1.00 50.11 19203 CB TYR D 140 -120.615 -3.162 9.362 1.00 50.32 19204 CG TYR D 140 -120.615 -3.162 9.362 1.00 50.32 19205 CDI TYR D 140 -120.655 -2.693 7.924 1.00 51.56 19205 CDI TYR D 140 -119.491 -2.030 7.412 1.00 52.15 19206 CEI TYR D 140 -119.491 -2.030 7.412 1.00 52.15 19206 CEI TYR D 140 -120.546 -1.811 5.284 1.00 53.56 19208 OH TYR D 140 -120.493 -1.357 3.978 1.00 53.81 19209 CE2 TYR D 140 -120.493 -1.357 3.978 1.00 53.81 19210 CD2 TYR D 140 -121.661 -2.471 5.765 1.00 53.81 19211 C TYR D 140 -121.663 -2.907 7.080 1.00 51.80 19211 C TYR D 140 -120.556 0.137 9.750 1.00 49.17 19213 N VAL D 141 -118.676 -1.186 10.805 1.00 48.39 19214 CA VAL D 141 -118.676 -1.186 10.805 1.00 48.39 19214 CA VAL D 141 -117.717 0.300 12.142 1.00 47.62 19215 CB VAL D 141 -117.717 0.300 12.142 1.00 47.62 19215 CB VAL D 141 -118.347 0.930 12.868 1.00 47.62										
19201 N										
19202 CA TYR D 140 -120.905 -2.043 10.367 1.00 50.11 19203 CB TYR D 140 -120.615 -3.162 9.362 1.00 50.32 19204 CG TYR D 140 -120.595 -2.693 7.924 1.00 52.15 19205 CDI TYR D 140 -119.491 -2.030 7.412 1.00 52.15 19206 CEI TYR D 140 -119.491 -1.555 6.108 1.00 52.15 19208 CEZ TYR D 140 -120.546 -1.811 5.284 1.00 53.56 19209 CEZ TYR D 140 -121.661 -2.471 5.765 1.00 53.61 19210 CDZ TYR D 140 -121.683 -2.907 7.080 1.00 51.80 19211 C TYR D 140 -121.683 -2.907 7.080 1.00 49.49 19										
19203 CB TYR D 140 -120.615 -3.162 9.362 1.00 50.32 19204 CG TYR D 140 -120.595 -2.693 7.924 1.00 51.56 19205 CD1 TYR D 140 -119.491 -2.030 7.412 1.00 52.15 19206 CE1 TYR D 140 -120.596 -1.811 5.284 1.00 52.91 19209 CZ TYR D 140 -120.493 -1.357 3.978 1.00 53.81 19210 CDZ TYR D 140 -121.661 -2.471 5.765 1.00 52.81 19210 CDZ TYR D 140 -121.663 -2.907 7.080 1.00 51.80 19211 C TYR D 140 -120.156 0.137 9.750 1.00 49.17 19213 N VAL D 141 -118.676 -1.186 10.085 1.00 49.24 19212										
19204 CG TYR D 140 -120.595 -2.693 7.924 1.00 51.56 19205 CD1 TYR D 140 -119.491 -2.030 7.412 1.00 52.15 19206 CE1 TYR D 140 -119.491 -1.555 6.108 1.00 52.91 19207 CZ TYR D 140 -120.546 -1.811 5.284 1.00 53.56 19208 OH TYR D 140 -120.546 -1.811 5.284 1.00 53.56 19209 CE2 TYR D 140 -121.661 -2.471 5.765 1.00 52.68 19210 CD2 TYR D 140 -121.663 -2.907 7.080 1.00 51.80 19211 C TYR D 140 -121.683 -2.907 7.080 1.00 51.80 19212 O TYR D 140 -120.556 0.137 9.750 1.00 49.17 19213 N VAL D 141 -118.667 -1.186 10.805 1.00 48.39 19214 CA VAL D 141 -117.602 -0.202 10.738 1.00 47.57 19215 CB VAL D 141 -117.171 0.300 12.424 1.00 47.62 19216 CG1 VAL D 141 -118.347 0.930 12.868 1.00 46.94										
19205 CDI TYR D 140 -119.491 -2.030 7.412 1.00 52.15 19206 CEI TYR D 140 -119.461 -1.595 6.108 1.00 52.91 19207 CZ TYR D 140 -120.546 -1.811 5.284 1.00 53.56 19208 CH TYR D 140 -120.493 -1.357 3.978 1.00 53.81 19209 CEZ TYR D 140 -121.661 -2.471 5.765 1.00 52.68 19210 CDZ TYR D 140 -121.683 -2.907 7.080 1.00 51.80 19211 C TYR D 140 -119.689 -0.938 10.271 1.00 49.24 19212 O TYR D 140 -120.156 0.137 9.750 1.00 49.17 19213 N VAL D 141 -118.676 -1.186 10.805 1.00 48.39 19214 CA VAL D 141 -117.717 0.300 12.142 1.00 47.62 19215 CB VAL D 141 -117.717 0.300 12.42 1.00 47.62 19216 CGI VAL D 141 -118.347 0.930 12.868 1.00 46.94										
19206 CEI TYR D 40 -119.461 -1.595 6.108 1.00 52.91 19207 CZ TYR D 140 -120.546 -1.811 5.284 1.00 53.56 19208 OH TYR D 40 -125.661 -2.471 5.765 1.00 52.68 19210 CDZ TYR D 140 -121.661 -2.471 5.765 1.00 52.68 19211 C TYR D 140 -119.869 -0.938 10.271 1.00 49.24 19213 C TYR D 140 -120.156 0.137 9.750 1.00 49.17 19213 N VAL D 141 -118.676 -1.186 10.805 1.00 48.39 19215 CB VAL D 141 -117.7602 -0.202 10.738 1.00 47.57 19216 CBI VAL D 141										
19207 CZ										
19208 OH TYR D 140 -120.493 -1.357 3.978 1.00 53.81 19210 CDZ TYR D -121.661 -2.471 5.765 1.00 52.68 19211 C TYR D 140 -121.683 -2.907 7.080 1.00 49.24 19212 O TYR D 140 -120.156 0.137 9.750 1.00 49.24 19212 O TYR D 141 -118.676 -1.186 10.055 1.00 49.17 19214 C VAL D 141 -117.602 -0.202 10.738 1.00 47.62 19215 CB VAL D 141 -117.171 0.300 12.142 1.00 47.62 19216 CGI VAL D 141 -118.347 0.930 12.868 1.00 46.94										
19209 CE2 TYR D 140 -121.661 -2.471 5.765 1.00 52.68 19210 CD2 TYR D 140 -121.683 -2.907 7.080 1.00 51.80 19211 C TYR D 140 -119.869 -0.938 10.271 1.00 49.24 19212 O TYR D 140 -120.156 0.137 9.750 1.00 49.17 19213 N VAL D 141 -118.676 -1.186 10.805 1.00 48.39 19214 CA VAL D 141 -117.602 -0.202 10.738 1.00 47.57 19215 CB VAL D 141 -117.171 0.300 12.142 1.00 47.62 19216 CGI VAL D 141 -118.347 0.930 12.868 1.00 40.94										
19210 CD2 TYR D 140 -121.683 -2.907 7.080 1.00 51.80 19211 C TYR D 140 -119.869 -0.938 10.271 1.00 49.24 19212 O TYR D 140 -120.156 0.137 9.750 1.00 49.17 19213 N VAL D 141 -118.676 -1.186 10.055 1.00 48.39 19214 CA VAL D 141 -117.717 0.300 12.142 1.00 47.62 19215 CSI VAL D 141 -117.717 0.300 12.868 1.00 46.96										
19211 C TYR D 140 -119.869 -0.938 10.271 1.00 49.24 19212 O TYR D 140 -120.156 0.137 9.750 1.00 49.17 19213 N VAL D 141 -118.676 -1.186 10.805 1.00 47.57 19215 CB VAL D 141 -117.602 -0.202 10.738 1.00 47.57 19216 CB VAL D 141 -117.171 0.300 12.142 1.00 46.94 19216 CGI VAL D 141 -118.347 0.930 12.868 1.00 46.94										
19212 O TYR D 140 -120.156 0.137 9.750 1.00 49.17 19213 N VAL D 141 -118.676 -1.186 10.605 1.00 48.39 19214 CA VAL D 141 -117.602 -0.202 10.738 1.00 47.57 19215 CB VAL D 141 -117.171 0.300 12.142 1.00 47.62 19216 CGI VAL D 141 -118.347 0.930 12.868 1.00 46.94										
19213 N VAL D 141 -118.676 -1.186 10.805 1.00 48.39 19214 CA VAL D 141 -117.602 -0.202 10.738 1.00 47.57 19215 CB VAL D 141 -117.171 0.300 12.142 1.00 47.62 19216 CG1 VAL D 141 -118.347 0.930 12.868 1.00 46.94										
19214 CA VAL D 141 -117.602 -0.202 10.738 1.00 47.57 19215 CB VAL D 141 -117.171 0.300 12.142 1.00 47.62 19216 CGI VAL D 141 -118.347 0.930 12.868 1.00 46.94										
19215 CB VAL D 141 -117.171 0.300 12.142 1.00 47.62 19216 CG1 VAL D 141 -118.347 0.930 12.868 1.00 46.94										
19216 CG1 VAL D 141 -118.347 0.930 12.868 1.00 46.94										
1321/ CG2 VAD D 141 -110.02/ 1.311 12.041 1.00 4/.40	19217					-116.027	1.311	12.041		

FIGURE 3 NM

A	В	С	D	E	F	G	H	I	J
19218	С	VAL	D	141	-116.423	-0.792	9.976	1.00	47.21
19219	0	VAL			-116.019	-1.925	10.219	1.00	46.92
19220	N	TRP			-115.904	-0.025	9.024	1.00	46.99
19221	CA			142	-114.798	-0.466	8.190		46.91
19222	CB	TRP			-115.311	-1.002	6.859	1.00	47.22
19223	CG			142	-114.223	-1.473	5.930	1.00	48.90
19223	CD1	TRP			-113.537	-2.650	6.001	1.00	49.87
19225	NE1	TRP			-112.625	-2.732	4.976	1.00	50.83
19226	CE2	TRP			-112.712	-1.595	4.216	1.00	51.60
19226	CD2	TRP			-112.712	-0.783	4.216	1.00	49.90
	CE3				-113.713				
19228		TRP				0.450	4.186	1.00	51.17
19229	CZ3	TRP			-113.285	0.825	3.053	1.00	51.25
19230	CH2	TRP			-112.296	-0.004	2.513		52.35
19231	CZ2	TRP		142	-111.997	-1.218	3.073	1.00	52.69
19232	С	TRP			-113.885	0.725	7.981	1.00	46.62
19233	0	TRP			-114.353	1.822	7.653	1.00	46.66
19234	N	ASN			-112.591	0.514	8.200	1.00	46.03
19235	CA	ASN			-111.612	1.596	8.142	1.00	45.74
19236	CB	ASN			-111.260	1.978	6.700	1.00	46.35
19237	CG	ASN			-110.210	1.057	6.091	1.00	48.02
19238	OD1	ASN			-109.817	1.227	4.940	1.00	52.57
19239	ND2	ASN			-109.756	0.075	6.860	1.00	48.41
19240	C	ASN			-112.093	2.802	8.920	1.00	44.61
19241	0	ASN			-112.108	3.924	8.416	1.00	44.48
19242	N	ASN			-112.520	2.544	10.148	1.00	43.39
19243	CA	ASN			-112.984	3.596	11.046		42.57
19244	CB	ASN			-111.816	4.505	11.452	1.00	42.15
19245	CG	ASN			-110.758	3.772	12.268	1.00	40.44
19246		ASN			-109.975	4.389	12.977	1.00	39.55
19247	ND2	ASN			-110.742	2.453	12.174	1.00	38.08
19248	C	ASN			-114.173	4.423	10.544	1.00	42.38
19249	0	ASN			-114.345	5.577	10.952	1.00	42.50
19250	N	ASP			-114.984	3.845	9.663	1.00	41.79
19251	CA	ASP			-116.189	4.525	9.193	1.00	41.96
19252	CB	ASP	D	145	-116.037	5.058	7.772	1.00	41.95
19253	CG	ASP			-115.429	6.420	7.736	1.00	41.04
19254	OD1	ASP	D	145	-114.538	6.630	6.895	1.00	42.43
19255	OD2	ASP	D	145	-115.768	7.342	8.504	1.00	41.45
19256	С	ASP	D	145	-117.432	3.655	9.290	1.00	41.86
19257	0	ASP	D	145	-117.357	2.427	9.228	1.00	41.53
19258	N	ILE	D	146	-118.570	4.316	9.451	1.00	42.16
19259	CA	ILE	D	146	-119.843	3.638	9.641	1.00	43.35
19260	CB	ILE	D	146	-120.714	4.435	10.651	1.00	43.25
19261	CG1	ILE	D	146	-119.979	4.562	11.989	1.00	43.13
19262	CD1	ILE	D	146	-120.669	5.444	12.985	1.00	42.36
19263	CG2	ILE	D	146	-122.079	3.786	10.834	1.00	42.53
19264	C	ILE	D	146	-120.598	3.458	8.329	1.00	44.18
19265	0	ILE	D	146	-120.713	4.387	7.543	1.00	43.72
19266	N	TYR	D	147	-121.108	2.253	8.110	1.00	45.80
19267	CA	TYR	D	147	-121.886	1.946	6.919	1.00	47.62
19268	CB	TYR	D	147	-121.134	0.986	6.000		47.70

FIGURE 3 NN

A	В	С	D	E		F	G	Н	I	J
19269	CG	TYR	D	147	-11	9.868	1.51	5 5.372	1.00	49.63
19270	CD1	TYR	D	147	-11	9.894	2.14	8 4.140	1.00	51.43
19271	CE1	TYR	D	147	-11	8.737	2.61	9 3.549	1.00	51.99
19272	CZ	TYR	D	147	-11	7.530	2.44	3 4.185	1.00	53.08
19273	OH	TYR	D	147	-11	6.372	2.91	2 3.605	1.00	54.67
19274	CE2	TYR	D	147	-11	7.473	1.80	2 5.404	1.00	52.35
19275	CD2	TYR	D	147	-11	8.638	1.34	5.989	1.00	50.98
19276	C	TYR	D	147	-12	3.210	1.28	5 7.309	1.00	48.25
19277	0	TYR	D	147	-12	3.256	0.45	8.224	1.00	48.03
19278	N	VAL	D	148		4.277	1.62	3 6.592	1.00	49.17
19279	CA	VAL	D	148	-12	5.575	1.02	3 6.870	1.00	50.14
19280	CB	VAL	D	148	-12	6.579	2.06	0 7.410	1.00	50.11
19281	CG1	VAL		148		7.927	1.41			49.82
19282	CG2	VAL		148		6.068	2.67			49.73
19283	С	VAL		148		6.199	0.33			51.12
19284	0			148		6.381	0.95			51.21
19285	N	LYS		149		6.504	-0.94		1.00	52.15
19286	CA	LYS		149		7.238	-1.69			53.34
19287	CB		D	149		6.630	-3.08			53.22
19288	CG			149		5.433	-3.10			54.73
19289	CD	LYS	D	149		5.032	-4.52			56.28
19290	CE	LYS		149		4.096	-4.51			58.45
19291	NZ	LYS		149		3.459	-3.16			59.46
19292	C		D	149		8.681	-1.86			53.90
19293	0	LYS	D	149		8.930	-2.40			54.32
19294	N	ILE	D	150		9.638	-1.38			54.47
19295	CA	ILE	D	150		1.030	-1.57			54.83
19296	CB	ILE	D	150		1.948	-0.56			54.84
19297 19298	CG1 CD1	ILE	D D	150		32.012 30.687	0.73 1.26		1.00	55.22 57.03
19298	CG2	ILE	D	150 150		3.353	-1.14			54.79
19300	C	ILE	D	150		1.438	-2.97			
19300	0		D	150		2.313	-3.58			55.26
19302	N	GLU	D	151		30.771	-3.49			55.67
19303	CA	GLU		151		1.050	-4.82			56.17
19304	CB	GLU		151		31.914	-4.72		1.00	56.22
19305	CG	GLU	D	151		3.279	-4.08			56.08
19306	CD		D	151		34.211	-4.93		1.00	56.08
19307	OE1	GLU	D	151		3.987	-6.16			56.09
19308	OE2	GLU		151		5.167	-4.38			56.41
19309	C	GLU		151		9.755	-5.55			56.55
19310	ō	GLU		151		8.898	-5.05			56.69
19311	N	PRO	D	152		9.634	-6.77	1 3.104	1.00	57.10
19312	CA	PRO	D	152	-12	8.405	-7.55	6 2.956	1.00	57.89
19313	CB	PRO	D	152		8.844	-8.95		1.00	57.70
19314	CG	PRO	D	152	-12	9.949	-8.70		1.00	57.44
19315	CD	PRO	D	152	-13	0.686	-7.50	3.830	1.00	57.04
19316	C	PRO	D	152	-12	7.846	-7.59		1.00	58.84
19317	0	PRO		152		6.626	-7.61			59.09
19318	N	ASN		153		8.720	-7.59			59.72
19319	CA	ASN	D	153	-12	8.285	-7.69	6 -0.852	1.00	60.60

FIGURE 3 NO

A	В	C	D	E	F	G	H	I	J
			_			0.400			
19320	CB	ASN			-129.319	-8.488	-1.666		60.74
19321	CG	ASN			-128.679	-9.390	-2.733	1.00	62.12
19322		ASN			-127.457	-9.598	-2.754	1.00	62.65
19323	ND2	ASN			-129.513	-9.935	-3.619		62.19
19324	C	ASN			-128.033	-6.338	-1.502	1.00	60.92
19325	0	ASN			-127.583	-6.269	-2.644	1.00	61.11
19326	N	LEU			-128.296	-5.261	-0.770	1.00	61.44
19327	CA	LEU			-128.196	-3.912	-1.337	1.00	61.99
19328	CB	LEU			-129.433	-3.093	-0.973	1.00	61.89
19329	CG	LEU			-130.733	-3.545	-1.639	1.00	62.88
19330	CD1	LEU			-130.479	-4.018	-3.071	1.00	63.19
19331	CD2	LEU			-131.773	-2.425	-1.603	1.00	63.11
19332	C	LEU			-126.936	-3.135	-0.963	1.00	62.40
19333	0	LEU			-126.287	-3.425	0.042	1.00	62.58
19334	N	PRO	D	155	-126.618	-2.129	-1.778	1.00	62.71
19335	CA			155	-125.437	-1.279	-1.585	1.00	62.86
19336	CB			155	-125.663	-0.153	-2.604	1.00	62.88
19337	CG	PRO	D	155	-127.126	-0.249	-2.911	1.00	62.68
19338	CD			155	-127.373	-1.721	-2.974	1.00	62.65
19339	С	PRO	D	155	-125.346	-0.684	-0.186	1.00	62.91
19340	0	PRO	D	155	-126.345	-0.600	0.528	1.00	62.98
19341	N	SER	D	156	-124.147	-0.239	0.176	1.00	62.87
19342	CA	SER	D	156	-123.904	0.301	1.501	1.00	62.90
19343	CB	SER	D	156	-122.579	-0.225	2.033	1.00	63.05
19344	OG	SER	D	156	-122.680	-0.457	3.420	1.00	64.11
19345	С	SER	D	156	-123.905	1.821	1.549	1.00	62.65
19346	0	SER	D	156	-123.365	2.493	0.667	1.00	62.59
19347	N	TYR	D	157	-124.506	2.369	2.598	1.00	62.27
19348	CA	TYR	D	157	-124.555	3.818	2.757	1.00	61.78
19349	CB	TYR	D	157	-125.901	4.267	3.317	1.00	62.14
19350	CG	TYR	D	157	-127.060	4.081	2.376	1.00	63.55
19351	CD1	TYR	D	157	-127.490	5.121	1.553	1.00	65.01
19352	CE1	TYR	D	157	-128.557	4.947	0.694	1.00	66.14
19353	CZ	TYR	D	157	-129.203	3.722	0.658	1.00	66.09
19354	OH	TYR	D	157	-130.268	3.516	-0.184	1.00	66.86
19355	CE2	TYR	D	157	-128.794	2.685	1.467	1.00	65.51
19356	CD2	TYR			-127.734	2.869	2.317	1.00	64.70
19357	С	TYR	D	157	-123.455	4.328	3.674	1.00	60.96
19358	0	TYR	D	157	-123.386	3.942	4.838	1.00	61.11
19359	N	ARG	D	158	-122.603	5.197	3.139	1.00	59.75
19360	CA	ARG	D	158	-121.532	5.802	3.911	1.00	58.41
19361	CB	ARG	D	158	-120.521	6.473	2.980	1.00	58.83
19362	CG	ARG	D	158	-119.328	5.616	2.557		59.53
19363	CD	ARG	D	158	-118.062	5.897	3.359	1.00	61.65
19364	NE	ARG	D	158	-116.839	5.483	2.675	1.00	62.55
19365	CZ	ARG			-115.660	6.077	2.844	1.00	63.50
19366		ARG			-115.539	7.100	3.684	1.00	62.39
19367	NH2	ARG			-114.597	5.643	2.182	1.00	64.32
19368	C	ARG			-122.132	6.852	4.826	1.00	57.27
19369	0	ARG			-122.639	7.883	4.352		56.83
19370	N	ILE	D	159	-122.099	6.590	6.131	1.00	55.59

FIGURE 3 NP

A	В	С	D	E	F	G	H	I	J
19371	CA	ILE	D	159	-122.573	7.572	7.084	1.00	53.90
19372	CB	ILE		159	-123.031	6.926	8.387	1.00	54.00
19373	CG1	ILE			-124.297	6.118	8.173		53.91
19374	CD1			159	-124.039	4.683	7.912	1.00	55.57
19375	CG2			159	-123.294	7.993	9.432	1.00	
19376	C			159	-121.452	8.551	7.374		52.93
19377	ŏ			159	-121.678	9.754	7.485	1.00	52.51
19378	N	THR			-120.235	8.034	7.504	1.00	52.05
19379	CA	THR			-119.096	8.894	7.824	1.00	51.01
19380	CB	THR			-118.529	8.603	9.246	1.00	50.81
19381	OG1	THR			-118.337	7.191	9.421	1.00	49.35
19382	CG2	THR			-119.545	8.970	10.293	1.00	50.05
19383	C	THR			-117.982	8.816	6.807	1.00	50.79
19384	ō	THR			-117.764	7.787	6.175	1.00	50.59
19385	N	TRP			-117.265	9.920	6.692	1.00	51.02
19386	CA	TRP	D	161	-116.172	10.050	5.747	1.00	51.50
19387	CB	TRP			-116.579	11.048	4.656	1.00	51.88
19388	CG	TRP			-117.716	10.579	3.817	1.00	52.73
19389	CD1	TRP	D	161	-119.048	10.661	4.107	1.00	53.73
19390	NE1	TRP	D	161	-119.789	10.116	3.084	1.00	54.35
19391	CE2	TRP	D	161	-118.936	9.675	2.106	1.00	54.33
19392	CD2	TRP	D	161	-117.623	9.950	2.538	1.00	54.16
19393	CE3	TRP			-116.557	9.595	1.706	1.00	55.05
19394	CZ3	TRP			-116.828	8.983	0.501	1.00	55.45
19395	CH2	TRP	D	161	-118.142	8.721	0.102	1.00	55.33
19396	CZ2	TRP	D	161	-119.207	9.060	0.886	1.00	54.84
19397	С	TRP	D	161	-114.914	10.562	6.441	1.00	51.28
19398	0	TRP	D	161	-113.918	10.849	5.784	1.00	51.69
19399	N	THR	D	162	-114.960	10.675	7.765	1.00	50.76
19400	CA	THR	D	162	-113.838	11.225	8.523	1.00	50.57
19401	CB	THR	D	162	-114.353	12.097	9.699	1.00	50.82
19402	OG1	THR	D	162	-115.450	11.443	10.361	1.00	49.95
19403	CG2	THR	D	162	-114.983	13.397	9.165	1.00	51.04
19404	C	THR	D	162	-112.805	10.214	9.027	1.00	50.33
19405	0	THR			-111.738	10.605	9.473	1.00	50.51
19406	N	GLY	D	163	-113.111	8.925	8.933	1.00	50.05
19407	CA	GLY	D	163	-112.219	7.881	9.410	1.00	49.47
19408	С	GLY			-110.746	7.944	9.026	1.00	49.18
19409	0	GLY			-110.382	8.061	7.857	1.00	49.48
19410	N	LYS			-109.886	7.852	10.032	1.00	48.57
19411	CA	LYS			-108.447	7.826	9.815	1.00	47.59
19412	CB	LYS			-107.862	9.237	9.799	1.00	48.00
19413	CG	LYS			-106.443	9.303	9.252	1.00	48.18
19414	CD	LYS			-105.899	10.721	9.351	1.00	50.62
19415	CE	LYS			-104.506	10.842	8.722	1.00	51.69
19416	NZ	LYS			-103.882	12.164	9.030	1.00	52.29
19417	С	LYS			-107.802	6.989	10.909	1.00	46.77
19418	0	LYS		164	-107.955	7.280	12.098	1.00	46.34
19419	N	GLU			-107.088	5.949	10.482	1.00	45.96
19420	CA	GLU		165	-106.421	4.992	11.358	1.00	45.15
19421	CB	GLU	D	165	-105.426	4.156	10.550	1.00	45.79

FIGURE 3 NQ

A	В	C	D	Е		F	G	H	I	J
19422	CG	GLU	D	165	-10	1.424	3.379	11.3	89 1.0	0 48.11
19423	CD	GLU	D	165	-100	3.887	2.158	3 10.6	60 1.0	0 50.89
19424	OE1	GLU	D	165	-100	3.038	2.325	9.7	51 1.0	0 52.11
19425	OE2	GLU	D	165	-104	1.324	1.033	3 10.9	90 1.0	0 50.88
19426	C	GLU	D	165	-105	5.723	5.672	2 12.5	20 1.0	0 43.98
19427	0	GLU	D	165	-104	1.946	6.603			
19428	N	ASN	D	166	-10	5.035	5.21			
19429	CA	ASN	D	166	-105	5.470	5.76	5 14.9	70 1.0	0 41.42
19430	CB		D	166		3.945	5.589			
19431	CG	ASN	D	166		3.490	4.13			
19432	OD1	ASN	D	166		1.158	3.183			
19433	ND2	ASN		166		2.314	3.973			
19434	С	ASN		166		5.799	7.242			
19435	0	ASN		166		5.270	7.822			
19436	N	ILE	D	167		5.656	7.873			
19437	CA	ILE	D	167		5.919	9.300			
19438	CB	ILE	D	167		5.313	10.183			
19439	CG1	ILE	D	167		1.794	10.06			
19440	CD1	ILE	D	167		1.307	8.928			
19441	CG2	ILE	D	167		5.646	11.65			
19442	C	ILE	D	167		3.400	9.59			
19443	0	ILE	D	167		3.779	10.248			
19444	N		D	168		9.233	9.122			
19445	CA	ILE	D	168		0.668	9.32			
19446 19447	CB CG1	ILE	D D	168 168		1.190	10.24			
19447	CD1	ILE	D	168		9.627	12.174			
19449	CG2		D	168		2.676	10.03			
19450	C	ILE	D	168		1.368	7.990			
19451	Ö		D	168		1.141	7.22			
19452	N	TYR		169		2.229	7.72			
19453	CA	TYR		169		2.982	6.47			
19454	CB	TYR		169		2.652	5.63			
19455	CG	TYR		169		1.196	5.355			
19456	CD1	TYR		169		329	6.378			
19457	CE1	TYR	D	169		9.019	6.12			
19458	CZ	TYR		169		3.549	4.83			
19459	OH	TYR	D	169	-10'	7.231	4.592	2 17.6	63 1.0	0 30.23
19460	CE2	TYR	D	169	-109	9.389	3.788	3 16.9	66 1.0	0 29.76
19461	CD2	TYR	D	169	-110	0.706	4.055	16.6	34 1.0	0 30.34
19462	C	TYR	D	169	-114	1.474	6.798	3 15.0	90 1.0	0 35.54
19463	0	TYR	D	169	-114	1.918	7.446	16.0	33 1.0	0 36.06
19464	N	ASN	D	170	-115	5.256	6.34	7 14.1	16 1.0	0 35.04
19465	CA	ASN	D	170	-116	5.698	6.540	14.1		
19466	CB	ASN		170		7.302	7.095			
19467	CG	ASN		170		5.540	8.26			
19468	OD1	ASN		170		5.718	8.100			
19469	ND2	ASN		170		5.806	9.46			
19470	С	ASN		170		7.309	5.185			
19471	0	ASN		170		7.001	4.220			
19472	N	GLY	D	171	-118	3.192	5.099	9 15.4	06 1.0	0 34.24

FIGURE 3 NR

A	В	С	D	E	F	G	H	I	J
19473	CA	GLY	D	171	-118.8	67 3.8	44 15.650	1.00	33.95
19474	С	GLY	D	171	-118.0				33.67
19475	0	GLY	D	171	-118.5	25 1.7	38 16.662	1.00	33.71
19476	N	ILE	D	172	-116.7	34 3.0	74 16.512	1.00	33.28
19477	CA	ILE	D	172	-115.9				33.21
19478	CB	ILE	D	172	-115.0				33.11
19479	CG1	ILE	D	172	-114.1				33.64
19480	CD1	ILE	D	172	-113.0				33.35
19481	CG2	ILE	D	172	-115.8	57 0.2	12 15.707	1.00	32.71
19482	С	ILE	D	172	-115.0	65 2.9	35 18.305	1.00	32.77
19483	0	ILE	D	172	-114.8				33.08
19484	N	THR	D	173	-114.5	89 2.2	46 19.327	1.00	32.04
19485	CA	THR	D	173	-113.8	01 2.9	12 20.364	1.00	31.62
19486	CB	THR	D	173	-114.0	30 2.1	99 21.703	1.00	31.51
19487	OG1	THR	D	173	-113.9	62 0.7	81 21.506	1.00	28.76
19488	CG2	THR	D	173	-115.4	71 2.4	14 22.168	1.00	32.28
19489	С	THR	D	173	-112.3	12 2.9	26 20.076	1.00	31.35
19490	0	THR	D	173	-111.8	11 2.0	95 19.323	1.00	31.72
19491	N	ASP	D	174	-111.5	98 3.8	78 20.666	1.00	31.24
19492	CA	ASP	D	174	-110.1	40 3.8	35 20.639	1.00	30.80
19493	CB	ASP	D	174	-109.5	44 5.2	23 20.855	1.00	30.93
19494	CG	ASP	D	174	-109.7	58 5.7	32 22.268	1.00	31.81
19495	OD1	ASP	D	174	-109.0	46 6.6	75 22.701	1.00	32.93
19496	OD2	ASP	D	174	-110.6				32.28
19497	C	ASP	D	174	-109.7				30.67
19498	0	ASP	D	174	-110.5				30.57
19499	N	TRP	D	175	-108.4				29.77
19500	CA	TRP	D	175	-108.0				29.76
19501	CB	TRP	D	175	-106.5				28.86
19502	CG	TRP	D	175	-106.0				27.03
19503	CD1	TRP	D	175	-105.6				26.23
19504	NE1	TRP		175	-105.3				23.65
19505	CE2	TRP		175	-105.5				24.67
19506	CD2		D	175	-106.0				24.92
19507	CE3			175	-106.3				24.73
19508	CZ3	TRP	D	175	-106.1				23.72
19509	CH2	TRP		175	-105.7				23.52
19510	CZ2	TRP		175	-105.4				24.29
19511	С	TRP		175	-108.7				29.64
19512	0	TRP		175	-109.2				29.33
19513	N	VAL		176	-108.5				29.99
19514	CA	VAL		176	-109.1				29.86
19515	CB	VAL		176	-108.8				30.01
19516	CG1	VAL		176	-108.4				30.79
19517	CG2	VAL		176	-107.8				29.46
19518	С	VAL		176	-110.6				29.80
19519	0	VAL		176	-111.1				30.14
19520 19521	N CA	TYR		177 177	-111.3 -112.8				29.56
19521	CB	TYR		177	-112.8				29.29
19523	CG	TYR			-113.4				28.67
19323	CG	TIK	D	1//	-113.0	15 5.9	42 24.030	1.00	20.07

FIGURE 3 NS

A	В	С	D	Е	F	G	H	I	J
19524	CD1	TYR	D	177	-112.994	6.999	24.757	1.00	28.83
19525	CE1	TYR		177	-113.377	8.265	25.148		28.90
19526	CZ	TYR			-114.655	8.478	25.621		28.47
19527	OH	TYR			-115.028	9.744	25.996	1.00	31.30
19528	CE2	TYR			-115.546	7.439	25.727		27.03
19529	CD2	TYR			-115.153	6.180	25.330		28.91
19530	C	TYR			-113.238	2.316	25.508	1.00	29.00
19531	ō	TYR			-114.196	1.947	26.167	1.00	29.66
19532	N	GLU			-112.509	1.491	24.780	1.00	28.93
19533	CA	GLU			-112.802	0.073	24.745	1.00	28.98
19534	CB	GLU			-111.969	-0.641	23.673	1.00	28.58
19535	CG	GLU			-112.344	-2.112	23.565	1.00	28.40
19536	CD	GLU		178	-111.427	-2.912	22.672	1.00	30.67
19537	OE1	GLU			-111.338	-4.168	22.869	1.00	31.95
19538	OE2	GLU			-110.795	-2.297	21.779	1.00	30.39
19539	C	GLU			-112.558	-0.594	26.117	1.00	28.96
19540	Ö	GLU			-113.420	-1.282	26.652	1.00	28.96
19541	N	GLU			-111.377	-0.389	26.675	1.00	28.96
19542	CA	GLU			-111.020	-1.063	27.910	1.00	29.14
19543	CB	GLU			-109.493	-1.063	28.101	1.00	29.35
19544	CG	GLU			-109.493	-1.695	29.415	1.00	30.88
19545	CD	GLU		179	-109.394	-3.165	29.534	1.00	31.98
19546	OE1	GLU		179	-109.736	-3.805	28.508	1.00	32.59
19547	OE2	GLU			-109.349	-3.688	30.658	1.00	31.84
19548	C	GLU		179	-111.691	-0.511	29.161	1.00	29.26
19549	0	GLU			-112.152	-1.278	29.976	1.00	28.64
19550	N	GLU			-111.768	0.813	29.285	1.00	29.60
19551	CA	GLU			-112.125	1.441	30.556	1.00	30.72
19552	CB	GLU			-111.065	2.483	30.932	1.00	29.57
19553	CG	GLU			-109.648	1.973	30.883	1.00	30.51
19554	CD	GLU		180	-109.369	0.924	31.956	1.00	30.74
19555	OE1	GLU			-110.315	0.533	32.702	1.00	28.94
19556	OE2	GLU		180	-108.199	0.501	32.043	1.00	29.25
19557	C	GLU			-113.464	2.135	30.655	1.00	31.90
19558	0	GLU		180	-113.957	2.385	31.745	1.00	31.57
19559	N	VAL			-114.049	2.487	29.526	1.00	34.06
19560	CA	VAL			-115.288	3.228	29.590	1.00	35.25
19561	CB	VAL		181	-115.227	4.463	28.703	1.00	35.11
19562	CG1	VAL			-116.408	5.358	28.982	1.00	34.70
19563	CG2	VAL			-113.918	5.199	28.948	1.00	34.10
19564	C	VAL		181	-116.439	2.365	29.167	1.00	36.48
19565	0	VAL			-117.418	2.236	29.888	1.00	37.25
19566	N	PHE		182	-116.306	1.752	28.005	1.00	37.81
19567	CA			182	-117.401	0.997	27.435	1.00	38.93
19568	CB	PHE		182	-117.570	1.348	25.963	1.00	39.29
19569	CG	PHE		182	-118.052	2.736	25.727	1.00	40.33
19570	CD1	PHE		182	-118.630	3.458	26.737	1.00	43.17
19571	CE1	PHE		182	-119.087	4.740	26.514	1.00	44.23
19572	CZ	PHE		182	-118.965	5.303	25.271	1.00	43.23
19573	CE2	PHE		182	-118.396	4.594	24.259		43.26
19574	CD2			182	-117.944	3.315	24.235		42.22
19014	CDZ	CILL	D	102	-11/.944	3.313	24.400	1.00	72.22

FIGURE 3 NT

A	В	С	D	Е		F	G	F	i	I	J
19575	С	PHE	D	182	-1	17.213	-0.497	27.	542	1.00	39.66
19576	ō			182		18.157	-1.242		312	1.00	40.63
19577	N			183		16.009	-0.957		874	1.00	39.53
19578	CA			183		15.806	-2.387		949	1.00	38.87
19579	CB	SER	D	183	-1	16.412	-2.979	29.	227	1.00	39.11
19580	OG			183		15.868	-2.364		399	1.00	36.26
19581	C			183		16.473	-2.974		726	1.00	39.22
19582	0	SER	D	183	-1	17.203	-3.955	26.	813	1.00	39.70
19583	N	ALA				16.229	-2.342		582	1.00	39.15
19584	CA	ALA	D	184	-1	16.721	-2.815	24.	301	1.00	39.26
19585	CB	ALA	D	184	-1	18.223	-2.687	24.	212	1.00	39.44
19586	C	ALA	D	184	-1	16.065	-2.015	23.	204	1.00	39.26
19587	0	ALA	D	184	-1	15.707	-0.859	23.	403	1.00	39.65
19588	N	TYR	D	185	-1	15.883	-2.648	22.	054	1.00	39.34
19589	CA	TYR				15.337	-1.991		875	1.00	39.33
19590	CB	TYR	D	185	-1	14.984	-3.055		850	1.00	39.13
19591	CG	TYR	D	185		14.116	-2.605		701	1.00	39.22
19592	CD1	TYR				14.103	-3.319		518	1.00	38.30
19593	CE1	TYR				13.312	-2.945		470	1.00	37.37
19594	CZ			185		12.515	-1.853		578	1.00	37.94
19595	OH			185		11.729	-1.523		503	1.00	41.08
19596	CE2	TYR				12.496	-1.108		733	1.00	37.73
19597	CD2	TYR				13.293	-1.492		.800	1.00	38.47
19598	C			185		16.402	-1.094		269	1.00	39.38
19599	0			185		16.116	0.007		793	1.00	39.52
19600	N			186		17.637	-1.578		314	1.00	39.62
19601	CA			186		18.770	-0.920		673	1.00	40.05
19602	CB			186		20.014	-1.793		756	1.00	40.06
19603	OG	SER				21.065	-1.176		036	1.00	42.12
19604	С			186		19.124	0.420		248	1.00	39.96
19605 19606	0	ALA		186		19.230 19.322	0.583		.462 .361	1.00	40.18
19606	N CA	ALA				19.322	2.714		765	1.00	39.89
19607	CB	ALA		187		18.604	3.695		672	1.00	39.09
19609	C	ALA		187		20.923	3.121		872	1.00	39.75
19610	0	ALA				21.025	4.254		422	1.00	39.42
19611	N	LEU				21.800	2.156		626	1.00	40.42
19612	CA	LEU				22.968	2.331		777	1.00	41.23
19613	CB			188		22.858	1.421		543	1.00	41.42
19614	CG			188		22.038	2.006		406	1.00	41.93
19615	CD1			188		22.343	1.318		081	1.00	40.35
19616	CD2	LEU				22.372	3.476		346	1.00	42.22
19617	C	LEU		188		24.226	1.965		545	1.00	41.55
19618	ō			188		24.309	0.880		133	1.00	41.55
19619	N			189		25.215	2.846		516	1.00	41.91
19620	CA	TRP		189		26.449	2.589		246	1.00	43.18
19621	CB	TRP		189		26.504	3.439		524	1.00	42.79
19622	CG	TRP	D	189	-1	25.345	3.180	21.	435	1.00	43.11
19623	CD1	TRP	D	189	-1	25.248	2.200	22.	380		42.61
19624	NE1	TRP	D	189	-1	24.030	2.272	23.	010	1.00	42.77
19625	CE2	TRP	D	189	-1	23.309	3.302	22.	466	1.00	42.51

FIGURE 3 NU

A	В	С	D	Е	F	G	Н	I	J
19626	CD2	TRP	D	189	-124.106	3.894	21.471	1.00	41.74
19627	CE3	TRP	D	189	-123.589	4.981	20.760	1.00	40.87
19628	CZ3	TRP	D	189	-122.332	5.433	21.058	1.00	40.77
19629	CH2	TRP	D	189	-121.559	4.823	22.049	1.00	41.77
19630	CZ2	TRP	D	189	-122.031	3.755	22.765	1.00	41.90
19631	C	TRP	D	189	-127.721	2.791	18.414	1.00	43.78
19632	0	TRP	D	189	-128.164	3.915	18.201	1.00	43.52
19633	И	TRP			-128.287	1.677	17.959	1.00	44.99
19634	CA	TRP			-129.548	1.665	17.226	1.00	46.13
19635	CB	TRP			-129.875	0.247	16.747	1.00	45.99
19636	CG	TRP		190	-129.246	-0.242	15.478	1.00	47.26
19637	CD1	TRP			-128.410	-1.317	15.343	1.00	47.79
19638	NE1	TRP		190	-128.060	-1.484	14.026	1.00	47.56
19639	CE2	TRP			-128.686	-0.526	13.277	1.00	47.82
19640	CD2	TRP		190	-129.448	0.268	14.158	1.00	47.61
19641	CE3	TRP			-130.185	1.325	13.628	1.00	49.11
19642	CZ3	TRP			-130.143	1.549	12.265	1.00	49.94
19643	CH2	TRP		190	-129.380	0.740	11.421	1.00	49.15
19644	CZ2	TRP			-128.644	-0.297 2.039	11.908 18.164	1.00	48.54
19645	С	TRP			-130.686				46.49
19646	0	TRP			-130.698	1.639	19.328	1.00	46.91
19647 19648	N CA	SER			-131.658 -132.861	2.783 3.051	17.651 18.416	1.00	46.78
19649	CB	SER			-133.702	4.149	17.760	1.00	46.85
19650	OG	SER		191	-134.208	3.721	16.508	1.00	46.27
19651	C	SER			-133.599	1.713	18.449	1.00	47.19
19652	Ö	SER			-133.267	0.796	17.695	1.00	47.05
19653	N	PRO			-134.572	1.583	19.337	1.00	47.51
19654	CA	PRO			-135.280	0.313	19.522	1.00	48.10
19655	CB	PRO			-136.323	0.656	20.582	1.00	48.31
19656	CG	PRO			-135.743	1.822	21.306	1.00	47.57
19657	CD	PRO			-135.040	2.627	20.261	1.00	47.53
19658	C	PRO			-135.948	-0.272	18.268	1.00	49.00
19659	0	PRO	D	192	-136.024	-1.498	18.146	1.00	48.81
19660	N	ASN	D	193	-136.422	0.563	17.350	1.00	49.60
19661	CA	ASN	D	193	-137.098	0.006	16.185	1.00	50.51
19662	CB	ASN	D	193	-138.478	0.636	15.970	1.00	51.04
19663	CG	ASN	D	193	-138.438	1.863	15.094	1.00	53.09
19664	OD1	ASN	D	193	-137.624	1.966	14.176	1.00	55.03
19665	ND2	ASN	D	193	-139.347	2.795	15.355	1.00	57.82
19666	C	ASN			-136.253	0.027	14.920	1.00	50.46
19667	0	ASN			-136.710	-0.364	13.843	1.00	50.56
19668	N	GLY			-135.018	0.495	15.056	1.00	49.91
19669	CA	GLY		194	-134.109	0.520	13.931	1.00	49.23
19670	C	GLY			-134.142	1.811	13.145	1.00	48.71
19671	0	GLY			-133.450	1.945	12.141	1.00	48.79
19672	N	THR			-134.929	2.773	13.601	1.00	48.01
19673	CA	THR			-135.044	4.026	12.874	1.00	47.27
19674	CB	THR		195	-136.232	4.839	13.394	1.00	47.08
19675	OG1	THR			-137.433	4.309	12.830	1.00	48.15
19676	CG2	THR	D	192	-136.196	6.249	12.852	1.00	46.07

FIGURE 3 NV

A	В	С	D	E	F	G	H	I	J
19677	С	THR	D	195	-133.760	4.845	12.909	1.00	46.80
19678	0	THR		195	-133.205	5.191	11.863	1.00	46.65
19679	N	PHE	D	196	-133.293	5.163	14.109	1.00	46.15
19680	CA	PHE	D	196	-132.081	5.956	14.240		45.58
19681	CB	PHE	D	196	-132.231	7.004	15.336		46.02
19682	CG	PHE	D	196	-133.336	7.998	15.097	1.00	46.92
19683	CD1	PHE	D	196	-133.112	9.140	14.349	1.00	47.46
19684	CE1	PHE	D	196	-134.129	10.070	14.155	1.00	48.60
19685	CZ	PHE	D	196	-135.372	9.861	14.712	1.00	47.47
19686	CE2	PHE	D	196	-135.602	8.732	15.460	1.00	48.00
19687	CD2	PHE	D	196	-134.586	7.807	15.655	1.00	47.89
19688	С	PHE	D	196	-130.871	5.106	14.559	1.00	44.71
19689	0	PHE	D	196	-130.977	4.020	15.132	1.00	44.70
19690	N	LEU	D	197	-129.710	5.607	14.173	1.00	43.96
19691	CA	LEU	D	197	-128.456	4.965	14.515		42.62
19692	CB	LEU	D	197	-127.728	4.458	13.286	1.00	42.73
19693	CG	LEU	D	197	-126.345	3.877	13.547	1.00	42.17
19694	CD1	LEU	D	197	-125.787	3.269	12.290	1.00	42.13
19695	CD2	LEU	D	197	-126.392	2.829	14.644	1.00	43.28
19696	С	LEU	D	197	-127.661	6.061	15.137	1.00	42.15
19697	0	LEU	D	197	-127.332	7.040	14.475	1.00	41.99
19698	N	ALA	D	198	-127.394	5.933	16.428	1.00	41.38
19699	CA	ALA	D	198	-126.609	6.934	17.113	1.00	40.24
19700	CB	ALA	D	198	-127.203	7.248	18.468	1.00	40.45
19701	С	ALA	D	198	-125.245	6.319	17.251	1.00	39.57
19702	0	ALA	D	198	-125.113	5.104	17.350	1.00	39.36
19703	N	TYR	D	199	-124.221	7.148	17.240	1.00	38.64
19704	CA	TYR	D	199	-122.880	6.618	17.341	1.00	38.12
19705	CB	TYR	D	199	-122.369	6.224	15.951	1.00	38.38
19706	CG	TYR	D	199	-122.292	7.377	14.963	1.00	38.47
19707	CD1	TYR	D	199	-121.131	8.132	14.842	1.00	37.96
19708	CE1	TYR	D	199	-121.046	9.172	13.924	1.00	39.86
19709	CZ	TYR		199	-122.140	9.480	13.115	1.00	40.01
19710	OH	TYR		199	-122.045	10.525	12.210	1.00	39.99
19711	CE2	TYR		199	-123.298	8.736	13.209	1.00	38.52
19712	CD2	TYR		199	-123.370	7.689	14.130	1.00	39.04
19713	C	TYR		199	-121.994	7.667	17.964	1.00	37.29
19714	0	TYR		199	-122.393	8.820	18.089	1.00	37.12
19715	N			200	-120.800	7.262	18.374	1.00	36.49
19716	CA			200	-119.840	8.204	18.920	1.00	35.72
19717	CB	ALA		200	-119.360	7.752	20.284	1.00	35.51
19718	С			200	-118.675	8.257	17.955	1.00	35.40
19719	0	ALA		200	-118.445	7.308	17.211	1.00	35.07
19720	N	GLN		201	-117.948	9.365	17.967	1.00	34.67
19721	CA	GLN			-116.767	9.482	17.150	1.00	34.64
19722	CB	GLN		201	-116.972	10.478	16.018	1.00	34.58
19723	CG	GLN			-115.677	11.025	15.456	1.00	34.47
19724	CD	GLN		201	-115.919	12.212	14.546	1.00	35.82
19725	OE1	GLN		201	-115.841	13.357	14.987	1.00	36.79
19726	NE2	GLN			-116.238	11.944	13.287	1.00	32.06
19727	C	GLN	D	201	-115.637	9.957	18.033	1.00	34.24

FIGURE 3 NW

A	В	C	D	E	F	G	H	I	J
19728	0	GLN	D	201	-115.740	10.998	18.670	1.00	34.35
19729	N	PHE		202	-114.553		18.070	1.00	33.60
19730	CA	PHE		202	-113.443		18.916	1.00	33.94
19731	CB	PHE		202	-113.003		19.835	1.00	33.79
19732	CG	PHE		202	-114.159		20.547	1.00	33.26
19733	CD1	PHE		202	-114.561		21.806	1.00	33.46
19733	CE1	PHE		202	-114.561		22.444	1.00	32.35
									33.18
19735	CZ	PHE		202	-116.325 -115.952		21.833	1.00	
19736	CE2	PHE					20.566	1.00	33.55
19737	CD2	PHE		202	-114.873		19.934	1.00	32.40
19738	C			202	-112.299		18.095	1.00	33.79
19739	0	PHE		202	-112.011		16.993	1.00	32.93
19740	N	ASN			-111.673		18.656	1.00	34.99
19741	CA	ASN		203	-110.561		18.023	1.00	35.89
19742	CB	ASN			-110.922		17.871	1.00	36.02
19743	CG			203	-109.938		17.025	1.00	37.77
19744	OD1	ASN		203	-108.770		16.933	1.00	38.31
19745	ND2	ASN			-110.403		16.400	1.00	43.95
19746	С	ASN		203	-109.300		18.879	1.00	36.16
19747	0			203	-109.211		19.966	1.00	36.27
19748	N	ASP		204	-108.327		18.382	1.00	36.54
19749	CA	ASP		204	-107.086		19.106	1.00	37.36
19750	CB	ASP			-106.746		19.127	1.00	37.61
19751	CG	ASP			-107.684		20.006	1.00	37.75
19752	OD1				-108.911		19.878	1.00	38.80
19753	OD2	ASP		204	-107.293		20.842	1.00	36.60
19754	С	ASP			-105.903		18.532	1.00	37.87
19755	0	ASP			-104.751		18.835	1.00	38.21
19756	N			205	-106.164		17.707	1.00	38.14
19757	CA			205	-105.053		17.097	1.00	38.26
19758	CB			205	-105.506		16.520	1.00	38.05
19759	OG1	THR			-106.361		15.393	1.00	39.01
19760	CG2	THR			-104.314		15.918	1.00	37.32
19761	С			205	-103.852		18.019	1.00	38.03
19762	0			205	-102.714		17.660	1.00	37.78
19763	N	GLU		206	-104.087		19.188	1.00	37.62
19764	CA			206	-102.953		20.059	1.00	37.50
19765	CB			206	-103.048		20.608	1.00	38.21
19766	CG	GLU		206	-102.484		19.670	1.00	41.63
19767	CD			206	-102.929		20.052	1.00	45.92
19768	OE1	GLU			-102.040		20.322	1.00	48.17
19769	OE2	GLU			-104.166		20.093	1.00	46.94
19770	С			206	-102.711		21.208	1.00	36.08
19771	0			206	-101.979		22.142	1.00	35.60
19772	N	VAL			-103.313		21.177	1.00	34.78
19773	CA	VAL			-102.956		22.252	1.00	34.13
19774	CB	VAL			-104.118		22.686	1.00	34.28
19775	CG1	VAL			-103.765		22.537	1.00	34.90
19776	CG2	VAL			-105.406		21.988	1.00	34.08
19777	С	VAL			-101.638		21.923	1.00	32.63
19778	0	VAL	D	207	-101.434	10.002	20.822	1.00	31.99

FIGURE 3 NX

A	В	С	D	Е	F	G	Н	I	J
19779	N	PRO	D	208	-100.712	10.557	22.867	1.00	31.85
19780	CA	PRO	D	208	-99.409	9.936	22.650	1.00	31.33
19781	CB	PRO		208	-98.680	10.182	23.966	1.00	31.40
19782	CG	PRO		208	-99.388	11.391	24.576	1.00	31.21
19783	CD	PRO		208	-100.832	11.187	24.199	1.00	31.62
19784	C	PRO		208	-99.597	8.456	22.371	1.00	31.19
19785	0	PRO		208	-100.636	7.883	22.720	1.00	31.26
19786	N		D	209	-98.629	7.847	21.703	1.00	30.84
19787	CA	LEU	D	209	-98.740	6.426	21.395	1.00	30.98
19788	CB	LEU		209	-98.521	6.159	19.891	1.00	31.17
19789	CG	LEU	D	209	-99.343	6.966	18.873	1.00	31.32
19790	CD1		D	209	-100.116	6.064	17.943	1.00	32.28
19791 19792	CD2 C	LEU	D D	209	-98.445 -97.782	7.864 5.581	18.085	1.00	33.81
19793	0	LEU		209	-96.652	5.996	22.239	1.00	30.34
19794	N	ILE	D	210	-98.248	4.420	22.683	1.00	29.33
19795	CA	ILE		210	-97.363	3.504	23.391	1.00	28.55
19796	CB	ILE		210	-98.128	2.609	24.366	1.00	27.87
19797	CG1	ILE	D	210	-97.194	1.600	25.046	1.00	26.81
19798	CD1			210	-95.991	2.195	25.727	1.00	25.03
19799	CG2	ILE	D	210	-99.226	1.859	23.631	1.00	28.10
19800	C		D	210	-96.771	2.678	22.291	1.00	28.18
19801	ō			210	-97.500	2.229	21.427		27.53
19802	N	GLU	D	211	-95.449	2.532	22.289	1.00	28.37
19803	CA	GLU	D	211	-94.792	1.697	21.298	1.00	28.97
19804	CB	GLU	D	211	-93.779	2.484	20.445	1.00	29.20
19805	CG	GLU	D	211	-94.073	3.960	20.253	1.00	31.46
19806	CD	GLU	D	211	-93.308	4.564	19.080	1.00	34.06
19807	OE1		D	211	-93.946	5.132	18.183	1.00	37.28
19808	OE2	GLU		211	-92.070	4.492	19.045	1.00	35.21
19809	С	GLU		211	-94.058	0.559	21.997	1.00	28.84
19810	0	GLU		211	-93.430	0.752	23.040	1.00	28.04
19811	N	TYR		212	-94.121	-0.620	21.395		28.90
19812	CA	TYR		212	-93.392	-1.767	21.893	1.00	29.35
19813	CB	TYR			-94.152	-2.481	23.018		29.57
19814	CG CD1	TYR		212	-95.564 -95.896	-2.794 -3.972	22.675		28.88
19815 19816	CD1 CE1	TYR			-93.896	-4.258	22.027	1.00	29.65
19816	CZ			212	-98.188	-3.353	22.015	1.00	28.00
19818	OH			212	-99.501	-3.630	21.698		28.52
19819	CE2	TYR		212	-97.879	-2.177	22.645	1.00	28.71
19820	CD2	TYR		212	-96.572	-1.900	22.971	1.00	29.20
19821	C	TYR		212	-93.124	-2.709	20.757	1.00	
19822	0	TYR		212	-93.786	-2.661	19.707	1.00	30.24
19823	N	SER		213	-92.138	-3.567	20.961	1.00	29.61
19824	CA	SER		213	-91.752	-4.527	19.948		29.47
19825	CB	SER		213	-90.337	-5.027	20.203	1.00	28.66
19826	OG	SER	D	213	-89.418	-3.945	20.118	1.00	29.20
19827	C	SER	D	213	-92.709	-5.699	19.880	1.00	29.72
19828	0			213	-93.221	-6.148	20.900	1.00	30.07
19829	N	PHE	D	214	-92.977	-6.155	18.661	1.00	29.60

FIGURE 3 NY

19830	A	В	C	D	Е	F	G	H	I	J
19831 CB PHE D 214 -95.054 -7.141 17.751 1.00 30.16 19832 CG PHE D 214 -96.002 -9.301 16.913 1.00 30.09 19833 CD PHE D 214 -96.002 -9.301 16.913 1.00 30.09 19835 CE PHE D 214 -97.692 -10.464 18.089 1.00 29.10 19836 CEZ PHE D 214 -97.703 -9.494 19.051 1.00 31.23 19837 CD PHE D 214 -96.854 -8.414 18.949 1.00 31.23 19838 C PHE D 214 -96.854 -8.414 18.949 1.00 31.23 19839 C PHE D 214 -92.831 -8.263 17.597 1.00 30.20 19840 N TYR D 215 -92.509 -9.437 18.121 1.00 30.18 19841 CA TYR D 215 -91.502 -10.275 17.501 1.00 30.18 19842 CB TYR D 215 -90.724 -11.052 18.578 1.00 29.28 19843 CG TYR D 215 -90.724 -11.052 18.578 1.00 29.28 19844 CDI TYR D 215 -90.713 -9.748 20.732 1.00 23.82 19845 CEI TYR D 215 -89.009 -8.176 21.207 1.00 22.25 19846 CZ TYR D 215 -89.009 -8.176 21.207 1.00 22.25 19847 OH TYR D 215 -89.009 -8.176 21.207 1.00 22.25 19848 CEZ TYR D 215 -88.991 -8.440 20.010 1.00 25.51 19850 C TYR D 215 -88.991 -8.440 20.010 1.00 25.51 19851 O TYR D 215 -90.170 -8.288 21.567 1.00 22.55 19853 CA SER D 216 -93.906 -11.654 16.397 1.00 31.32 19854 CE TYR D 215 -90.306 -11.136 16.397 1.00 31.32 19855 O SER D 216 -93.907 -12.331 15.523 1.00 33.25 19855 O SER D 216 -93.907 -12.331 15.523 1.00 33.25 19855 O SER D 216 -93.907 -12.331 15.523 1.00 33.25 19856 C SER D 216 -93.907 -12.331 15.523 1.00 34.88 19859 C SER D 216 -93.907 -12.331 15.523 1.00 34.88 19856 C SER D 216 -93.907 -12.331 15.523 1.00 34.88 19856 C SER D 216 -93.907 -12.331 15.523 1.00 36.00 19866 C SER D 217 -95.155 -17.742 14.060 1.00 42.47 19866 C SER D 217 -95.658 -15.623 13.886 1.00 36.00 19867 C SER D 217 -95.658 -15.623 13.886 1.00 36.	19830	CA	PHE	D	214	-93 727	-7 379	18 445	1 00	30.26
19832 CG PHE D 214										
19833 CDI PHE D 214										
19836 CE PRE D 214										
19835 CZ PHE D 14 -97.692 -10.464 18.089 1.00 29.87 19836 CZ PHE D 14 -96.854 -8.414 18.949 1.00 31.23 19837 CD2 PHE D 214 -96.854 -8.414 18.949 1.00 31.00 19839 O PHE D 214 -92.446 -7.891 16.490 1.00 30.05 19840 N TYR D 215 -91.502 -10.275 17.501 1.00 30.18 19843 CB TYR D 215 -91.502 -10.275 17.501 1.00 30.18 19843 CB TYR D 215 -90.712 -10.025 19.523 1.00 22.38 19844 CDI TYR D 215 -90.713 -9.748 20.732 1.00 22.38 19845 CEI TYR D 215 -80.09 -8.176 21.207 1.00 22.13 19845										
19836 CE2 PHE D 214										
19837 CDZ PHE D 214 -96.854 -8.414 18.949 1.00 31.10 19838 C PHE D 214 -92.431 -8.263 17.597 1.00 30.20 19839 O PHE D 214 -92.446 -7.891 16.490 1.00 30.05 19840 N TYR D 215 -91.502 -10.275 17.501 1.00 30.18 19841 CA TYR D 215 -91.502 -10.275 17.501 1.00 30.18 19842 CB TYR D 215 -90.724 -11.052 18.578 1.00 29.28 19843 CG TYR D 215 -90.724 -11.052 18.578 1.00 29.28 19844 CDI TYR D 215 -90.713 -97.48 20.732 1.00 23.82 19845 CEI TYR D 215 -90.713 -97.48 20.732 1.00 23.82 19846 CZ TYR D 215 -90.710 -8.828 21.567 1.00 22.18 19847 CHI TYR D 215 -89.009 -8.176 21.207 1.00 22.13 19848 CZ TYR D 215 -88.950 -9.378 19.170 1.00 25.51 19851 CTYR D 215 -88.950 -9.378 19.170 1.00 25.51 19852 CTYR D 215 -92.036 -11.136 16.387 1.00 31.03 19853 CA SER D 216 -93.297 -11.542 16.534 1.00 31.25 19855 CG SER D 216 -93.977 -12.331 15.523 1.00 33.25 19855 CG SER D 216 -93.357 -13.704 15.441 1.00 31.29 19855 CG SER D 216 -93.357 -13.704 15.449 1.00 33.25 19855 CG SER D 216 -93.357 -13.704 15.449 1.00 33.25 19856 C SER D 216 -93.357 -13.704 15.449 1.00 33.25 19857 O SER D 216 -93.357 -13.704 15.449 1.00 33.25 19858 CA SER D 216 -93.357 -13.704 15.449 1.00 33.25 19859 CA SER D 216 -93.357 -13.704 15.449 1.00 36.72 19860 CB ASP D 217 -93.165 -14.408 14.362 1.00 34.88 19857 O SER D 216 -93.956 -16.752 13.912 1.00 36.72 19863 OZ ASP D 217 -93.659 -14.408 14.362 1.00 36.76 19866 O ASP D 217 -95.515 -17.742 14.060 1.00 22.47 19866 O GASP D 217 -95.515 -17.742 14.060 1.00 22.47 19866 O GUD D 218 -80.559 -16.672 13.912 1.00 36.36 19877 O GUD D 218 -80.558 -16.775 13.912 1.00 36.36										
19838 C PHE D 214										
19839 O PHE D 214 -92.446 -7.891 16.490 1.00 30.05 19840 N TYR D 215 -92.509 -9.437 18.121 1.00 30.18 19841 CA TYR D 215 -90.724 -11.052 18.578 1.00 29.28 19843 CG TYR D 215 -90.724 -11.052 18.578 1.00 29.28 19844 CD TYR D 215 -90.710 -10.062 19.523 1.00 23.82 19845 CE TYR D 215 -90.713 -9.748 20.732 1.00 23.82 19846 CZ TYR D 215 -90.717 -8.828 21.567 1.00 22.15 19846 CZ TYR D 215 -89.009 -8.176 21.207 1.00 22.23 19847 OH TYR D 215 -88.487 -7.237 22.038 1.00 23.82 19849 CEZ TYR D 215 -88.391 -8.440 20.010 1.00 22.82 19850 C TYR D 215 -92.036 -11.136 16.387 1.00 31.07 19851 O TYR D 215 -92.036 -11.136 16.387 1.00 31.07 19852 N SER D 216 -93.297 -11.542 16.534 1.00 32.25 19855 C SER D 216 -93.977 -12.331 15.523 1.00 33.25 19855 O SER D 216 -93.977 -12.331 15.523 1.00 32.29 19855 O SER D 216 -93.977 -12.31 15.523 1.00 33.25 19855 N ASP D 217 -93.365 -14.108 16.353 1.00 33.25 19855 N ASP D 217 -93.659 -14.640 16.353 1.00 33.58 19858 N ASP D 217 -93.659 -14.408 14.262 1.00 34.88 19859 CA ASP D 217 -93.659 -14.408 14.262 1.00 34.88 19859 CA ASP D 217 -93.659 -14.654 13.22 1.00 34.88 19856 C BSR D 216 -93.957 -13.744 14.128 1.00 34.88 19856 C ASP D 217 -93.659 -14.654 13.22 1.00 35.67 19863 ODZ ASP D 217 -95.515 -17.742 14.060 1.00 22.47 19863 ODZ ASP D 217 -95.515 -17.742 14.061 1.00 36.67 19866 N GLU D 218 -90.956 -16.722 13.221 1.00 40.47 19866 C ASP D 217 -95.515 -17.742 14.061 1.00 36.67 19866 N GLU D 218 -90.956 -16.722 13.202 1.00 40.47 19866 C GLU D 218 -90.956 -16.722 13.202 1.00 40.56 19877 C G GLU D 218 -80.059 -81.214 14.11 1.10 37.14 19869 C G GLU D 218 -80.059 -81.214 1.11 1.10 37.14 19867 C A SER D 217 -91.501 -16.822 13.222 1.00 40.47 19870 C GLU D 218 -80.059 -81.214 1.11 1.10 37.14 19871 C G GLU D 218 -80.059 -81.214 1.11 1.10 37.14 19875 N SER D 217 -91.501 -16.822 13.222 1.00 40.47 19876 C A SER D 217 -91.658 -15.623 13.861 1.00 36.36 19877 C G GLU D 218 -80.059 -81.214 1.11 1.10 37.14 19877 C G GLU D 218 -80.059 -81.214 1.11 1.10 37.14 19877 C G GLU D 218 -80.059 -81.214 1.11 1.10 37.14										
19840 N										
19841 CA TYR D 215 -90.724 -11.052 18.578 1.00 29.258 19843 CG TYR D 215 -90.102 -10.062 19.523 1.00 27.33 19844 CDI TYR D 215 -90.102 -10.062 19.523 1.00 27.33 19845 CDI TYR D 215 -90.170 -8.828 21.567 1.00 22.15 19846 CZ TYR D 215 -90.170 -8.828 21.567 1.00 22.15 19846 CZ TYR D 215 -89.009 -8.176 21.207 1.00 22.15 19847 OH TYR D 215 -88.090 -8.176 21.207 1.00 22.15 19848 CE2 TYR D 215 -88.091 -8.440 20.010 1.00 22.82 19849 CDZ TYR D 215 -88.391 -9.440 20.010 1.00 22.82 19859 C TYR D 215 -90.36 -11.136 16.337 1.00 31.07 19851 O TYR D 215 -90.36 -11.136 16.337 1.00 31.32 19852 N SER D 216 -93.977 -12.331 15.523 1.00 32.24 19853 CA SER D 216 -93.977 -12.331 15.523 1.00 32.25 19855 C SER D 216 -93.977 -12.331 15.523 1.00 32.25 19855 C SER D 216 -93.977 -12.331 15.523 1.00 33.25 19855 C SER D 216 -93.977 -14.341 1.00 33.25 19855 C SER D 216 -93.977 -12.331 15.523 1.00 33.25 19855 C SER D 216 -93.977 -12.331 15.523 1.00 33.25 19855 C SER D 216 -93.977 -12.331 15.523 1.00 33.25 19855 C SER D 216 -93.977 -12.331 15.523 1.00 33.25 19856 C SER D 216 -93.977 -12.331 15.523 1.00 33.25 19857 C SER D 216 -93.956 -11.654 14.144 1.00 33.12 19858 N ASP D 217 -93.154 -15.744 15.491 1.00 33.158 19858 CA SSP D 217 -93.169 -14.408 16.353 1.00 33.58 19858 CA SSP D 217 -93.836 -14.108 14.386 1.00 36.72 19863 ODZ ASP D 217 -93.836 -16.411 12.919 1.00 36.72 19864 C SSP D 217 -95.515 -17.742 14.060 1.00 42.47 19865 O ASP D 217 -95.515 -17.742 14.060 1.00 42.47 19866 C SSP D 217 -95.515 -17.742 14.060 1.00 42.47 19866 C SSP D 217 -95.515 -17.742 14.014 1.00 36.61 19866 C SSP D 217 -95.515 -17.742 14.014 1.00 36.61 19866 C SSP D 217 -95.515 -17.742 14.014 1.00 36.61 19866 C SSP D 217 -95.505 -16.411 12.919 1.00 36.67 19866 C SSP D 217 -95.506 -16.424 12.539 1.00 36.36 19867 C A SUD 218 -89.059 -18.214 14.114 1.00 37.14 19868 C SSP D 217 -95.506 -16.722 14.104 1.00 36.36 19867 C A SUD 218 -89.059 -18.214 14.114 1.00 37.14 19869 C G G LUD 218 -89.059 -18.214 14.114 1.00 37.14 19869 C G SUD 218 -89.059 -18.214 17.14 1.10 37.00 36.90 19876										
19842 CB TYR D 215 -90.724 -11.052 18.578 1.00 29.28 19843 CG TYR D 215 -90.7102 -10.062 19.523 1.00 27.38 19844 CDI TYR D 215 -90.713 -97.48 20.732 1.00 23.82 19845 CEI TYR D 215 -89.009 -8.176 21.207 1.00 22.15 19846 CZ TYR D 215 -89.009 -8.176 21.207 1.00 22.15 19846 CZ TYR D 215 -88.487 -7.237 22.038 1.00 21.18 19848 CZ TYR D 215 -88.487 -7.237 22.038 1.00 21.18 19848 CZ TYR D 215 -88.487 -7.237 22.038 1.00 22.15 19847 OH TYR D 215 -88.991 -8.440 20.010 1.00 22.82 19849 CDZ TYR D 215 -88.995 -9.378 19.170 1.00 25.51 19850 C TYR D 215 -92.036 -11.136 16.387 1.00 31.07 19851 O TYR D 215 -92.036 -11.136 16.387 1.00 31.07 19851 O TYR D 215 -92.036 -11.136 16.387 1.00 31.32 19852 N SER D 216 -93.906 -11.654 14.144 1.00 33.25 19855 O SER D 216 -93.906 -11.654 14.144 1.00 32.24 19855 O SER D 216 -93.906 -11.654 14.144 1.00 33.25 19855 N SED 216 -93.357 -13.704 15.03 1.00 33.82 19858 N SED 216 -93.357 -13.704 15.03 1.00 33.82 19858 N ASP D 217 -93.659 -14.408 16.353 1.00 33.82 19858 N ASP D 217 -93.659 -14.408 16.353 1.00 33.82 19856 C SER D 216 -92.623 -14.108 16.353 1.00 33.82 19856 C SED 216 -92.623 -14.108 16.353 1.00 33.82 19859 CA ASP D 217 -93.659 -14.408 14.362 1.00 34.88 19859 CA ASP D 217 -93.659 -14.408 14.362 1.00 34.88 19856 C SED 217 -93.659 -14.408 14.362 1.00 34.88 19856 C SED 217 -93.836 -16.411 12.919 1.00 36.72 19866 C ASP D 217 -95.515 -17.742 14.060 1.00 42.47 19862 CD ASP D 217 -95.515 -17.742 14.060 1.00 42.47 19866 C ASP D 217 -95.515 -17.742 14.060 1.00 42.47 19866 C ASP D 217 -95.515 -17.742 14.060 1.00 42.47 19866 C ASP D 217 -95.515 -17.742 14.014 1.00 36.06 19866 C ASP D 217 -95.515 -17.742 14.014 1.00 36.06 19866 C ASP D 217 -95.515 -17.742 14.014 1.00 36.06 19866 C ASP D 217 -95.515 -17.742 14.014 1.00 36.06 19866 C ASP D 217 -95.515 -17.742 14.014 1.00 36.06 19866 C ASP D 217 -95.515 -17.742 14.014 1.00 36.06 19866 C ASP D 217 -95.515 -17.742 14.014 1.00 36.06 19866 C ASP D 217 -95.515 -17.742 14.014 1.00 36.06 19866 C ASP D 217 -95.515 -17.742 14.014 1.00 36.06 19866 C ASP D 217 -95										
19843 CG TYR D 215 -90.102 -10.062 19.523 1.00 27.33 19846 CEI TYR D 215 -90.713 -9.748 20.732 1.00 23.82 19846 CZ TYR D 215 -90.170 -8.828 21.567 1.00 23.82 19846 CZ TYR D 215 -89.009 -8.176 21.207 1.00 22.23 19847 OH TYR D 215 -88.091 -8.176 21.207 1.00 22.13 19847 OH TYR D 215 -88.391 -8.440 20.010 1.00 22.82 19849 CDZ TYR D 215 -88.391 -8.440 20.010 1.00 22.82 19859 C TYR D 215 -88.391 -8.440 20.010 1.00 22.82 19852 N SER D 215 -92.036 -11.136 16.387 1.00 31.07 19851 O TYR D 215 -92.036 -11.136 16.387 1.00 31.07 19855 O TYR D 215 -93.294 -11.136 16.387 1.00 33.25 19855 C SER D 216 -93.997 -12.331 15.233 1.00 32.24 19853 CA SER D 216 -93.997 -12.331 15.233 1.00 32.24 19855 O SER D 216 -93.997 -12.331 15.233 1.00 32.29 19855 O SER D 216 -93.977 -12.331 15.233 1.00 33.25 19855 O SER D 216 -93.897 -13.740 15.449 1.00 33.25 19855 C SER D 216 -93.897 -13.740 15.449 1.00 33.25 19855 C SER D 216 -93.897 -13.740 15.449 1.00 33.58 19855 N SER D 216 -93.856 -11.654 14.144 1.00 33.58 19855 N SER D 216 -93.856 -14.108 16.353 1.00 33.58 19858 N SEP D 217 -93.856 -14.108 16.353 1.00 33.58 19858 N SEP D 217 -93.856 -14.108 14.362 1.00 34.72 19863 OD 2.85P D 217 -95.515 -17.742 14.060 1.00 42.47 19863 OD 2.85P D 217 -95.515 -17.742 14.060 1.00 42.47 19863 OD 2.85P D 217 -95.515 -17.742 14.060 1.00 42.47 19863 OD 2.85P D 217 -95.515 -17.742 14.060 1.00 42.47 19866 C SED D 217 -95.515 -17.742 14.060 1.00 42.47 19866 C SED D 217 -95.515 -17.742 14.014 1.00 36.66 19866 C SED D 217 -95.515 -17.742 14.014 1.00 36.66 19866 C SED D 217 -95.515 -17.742 14.014 1.00 36.36 19866 C SED D 217 -95.515 -17.742 14.014 1.00 36.36 19866 C SED D 217 -95.515 -17.742 14.014 1.00 36.36 19866 C SED D 217 -95.515 -17.742 14.014 1.00 36.36 19866 C SED D 217 -95.515 -17.742 14.014 1.00 36.36 19866 C SED D 217 -95.515 -17.742 14.014 1.00 36.36 19866 C SED D 217 -95.515 -17.742 14.014 1.00 36.36 19866 C SED D 217 -95.515 -17.742 14.014 1.00 36.36 19866 C SED D 217 -95.515 -17.742 14.014 1.00 36.36 19866 C SED D 217 -95.515 -17.742 14.014 1.00 36.36 198										
19844 CDI TYR D 215 -90.713 -9.748 20.732 1.00 22.82 19845 CEI TYR D 215 -80.009 -8.176 21.207 1.00 22.13 19847 OH TYR D 215 -88.487 -7.237 22.38 1.00 22.13 19847 OH TYR D 215 -88.487 -7.237 22.38 1.00 22.13 19848 CEZ TYR D 215 -88.487 -7.237 22.38 1.00 22.18 19848 CEZ TYR D 215 -88.950 -9.378 19.170 1.00 22.82 19849 CDZ TYR D 215 -92.036 -11.136 16.387 1.00 31.07 1.9951 O TYR D 215 -92.036 -11.136 16.387 1.00 31.07 1.9951 O TYR D 215 -92.036 -11.136 16.387 1.00 31.07 1.9951 O TYR D 215 -92.036 -11.136 16.387 1.00 31.07 1.9951 O TYR D 215 -92.036 -11.136 16.387 1.00 31.32 1.9852 N SER D 216 -93.970 -11.524 16.534 1.00 32.25 1.9953 CA SER D 216 -93.970 -12.331 15.523 1.00 33.25 1.9954 CB SER D 216 -93.977 -12.331 15.523 1.00 33.25 1.9955 OG SER D 216 -93.357 -13.704 15.449 1.00 33.29 1.9855 OG SER D 216 -93.357 -13.704 15.449 1.00 33.82 1.9958 N ASP D 217 -93.659 -14.408 16.353 1.00 33.82 1.9958 N ASP D 217 -93.659 -14.408 16.353 1.00 33.82 1.9958 N ASP D 217 -93.836 -16.411 12.919 1.00 36.72 1.9966 CB ASP D 217 -93.836 -16.411 12.919 1.00 36.72 1.9966 O ASP D 217 -95.515 -17.742 14.060 1.00 22.47 1.9966 O ASP D 217 -95.515 -17.742 14.060 1.00 22.47 1.9966 O ASP D 217 -95.515 -17.742 14.060 1.00 22.47 1.9966 O ASP D 217 -95.515 -17.742 14.001 1.00 36.06 1.9866 N ASP D 217 -95.515 -17.742 14.001 1.00 36.06 1.9866 N ASP D 217 -95.515 -17.742 14.001 1.00 36.06 1.9866 N ASP D 217 -95.515 -17.742 14.001 1.00 36.06 1.9866 N ASP D 217 -95.515 -17.742 14.001 1.00 36.06 1.9866 N ASP D 217 -95.515 -17.742 14.001 1.00 36.06 1.9866 N ASP D 217 -95.515 -17.742 14.001 1.00 36.06 1.9866 N ASP D 217 -95.515 -17.742 14.001 1.00 36.06 1.9866 N ASP D 217 -95.515 -17.742 14.001 1.00 36.06 1.9866 N ASP D 217 -95.515 -17.742 14.001 1.00 36.06 1.9866 N ASP D 217 -95.515 -17.742 14.001 1.00 36.06 1.9866 N ASP D 217 -95.515 -17.742 14.001 1.00 36.06 1.9866 N ASP D 217 -95.515 -17.742 14.001 1.00 36.36 1.9866 N ASP D 217 -95.515 -17.742 14.001 1.00 36.36 1.9866 N ASP D 217 -95.515 -17.742 14.001 1.00 36.36 1.9866 N ASP D 217 -95.515 -17.										
19845 CEI TYR D 215 -90.170 -88.828 21.567 1.00 22.15 19846 CE TYR D 215 -88.487 -7.237 22.038 1.00 22.82 19847 OH TYR D 215 -88.487 -7.237 22.038 1.00 22.82 19847 OH TYR D 215 -88.391 -84.40 20.010 1.00 22.82 19849 CDZ TYR D 215 -88.391 -81.470 1.00 22.81 19850 C TYR D 215 -98.391 -91.138 19.170 1.00 25.51 19850 C TYR D 215 -91.324 -11.411 15.414 1.00 31.92 19852 N										
19846 CZ TYR D 215 -89.009 -8.176 21.207 1.00 22.23 19849 CDZ TYR D 215 -88.391 -8.440 20.010 1.00 22.82 19849 CDZ TYR D 215 -88.950 -9.378 19.170 1.00 25.51 19851 C TYR D 215 -92.036 -11.136 16.387 1.00 31.32 19852 N SER D 216 -93.290 -11.524 16.534 1.00 32.34 19855 CG SER D 216 -93.290 -11.524 16.534 1.00 32.24 19855 CG SER D 216 -93.977 -12.331 15.523 1.00 33.25 19855 CG SER D 216 -93.977 -12.331 15.523 1.00 33.25 19855 CG SER D 216 -93.977 -12.331 15.523 1.00 33.25 19855 N SER D 216 -93.8977 -12.331 15.523 1.00 33.25 19858 N SER D 216 -93.8975 -13.704 15.449 1.00 31.29 19855 CG SER D 216 -93.8975 -12.287 13.238 1.00 33.25 19858 N SER D 216 -93.8975 -13.704 15.449 1.00 33.29 19856 C SER D 216 -93.857 -13.704 15.449 1.00 34.88 19858 N SER D 217 -93.655 -14.08 16.353 1.00 33.82 19858 N SER D 217 -93.855 -14.08 14.128 1.00 35.87 19866 CB ASP D 217 -93.896 -16.411 12.919 1.00 36.72 19863 ODZ ASP D 217 -95.515 -17.742 14.060 1.00 42.47 19863 ODZ ASP D 217 -95.515 -17.742 14.060 1.00 42.47 19864 C ASP D 217 -95.515 -17.742 14.060 1.00 42.47 19866 N GLU D 218 -90.956 -16.722 13.222 1.00 40.47 19866 N GLU D 218 -90.956 -16.722 13.202 1.00 36.36 19867 CA GLU D 218 -90.956 -16.775 13.912 1.00 36.36 19867 CA GLU D 218 -89.523 -16.775 13.912 1.00 36.36 19870 C GLU D 218 -89.559 -18.214 14.114 1.00 37.14 19869 CG GLU D 218 -89.559 -18.214 14.114 1.00 37.14 19870 CD GLU D 218 -89.059 -18.214 14.114 1.00 37.14 19871 OEL GLU D 218 -89.059 -18.214 14.114 1.00 37.14 19871 OEL GLU D 218 -89.059 -18.214 14.114 1.00 37.14 19871 OEL GLU D 218 -89.059 -18.214 14.114 1.00 37.14 19872 CE GLU D 218 -89.059 -18.214 12.114 1.10 37.14 19873 C GLU D 218 -89.059 -18.214 12.114 1.100 37.14 19877 C G GLU D 218 -89.059 -18.214 1.114 1.100 37.14 19877 C G GLU D 218 -89.059 -18.214 1.114 1.100 37.14 19877 C G GLU D 218 -89.059 -18.214 1.114 1.100 37.14 19877 C G GLU D 218 -89.059 -18.214 1.114 1.100 37.14 19877 C G GLU D 218 -89.063 -16.302 11.533 1.00 36.00 19876 C A SER D 219 -99.633 -16.302 11.533 1.00 36.00 19876 C A SER D 219 -99.633 -16.										
19847 OH TYR D 215 -88.487 -7.237 22.038 1.00 22.18 19848 CEZ TYR D 215										
19848 CE2 TYR D 215 -88.391 -8.440 20.010 1.00 22.82 19849 CD2 TYR D 215 -99.036 -11.136 16.387 1.00 31.07 19851 O TYR D 215 -99.036 -11.136 16.387 1.00 31.07 19851 O TYR D 215 -99.2036 -11.136 16.387 1.00 31.32 19852 N SER D 216 -93.997 -11.542 16.534 1.00 32.24 19853 CA SER D 216 -93.997 -12.331 15.523 1.00 33.25 19855 OG SER D 216 -93.997 -12.331 15.523 1.00 33.25 19855 OG SER D 216 -93.997 -12.331 15.523 1.00 33.25 19855 OG SER D 216 -94.802 -12.287 13.238 1.00 32.97 19856 C SER D 216 -94.802 -12.287 13.238 1.00 32.97 19856 C SER D 216 -93.957 -13.740 15.449 1.00 33.58 19857 O SER D 216 -93.659 -14.108 16.353 1.00 33.58 19859 CA ASP D 217 -93.659 -14.408 16.353 1.00 33.58 19859 CA ASP D 217 -93.659 -14.408 14.362 1.00 34.88 19859 CA ASP D 217 -93.836 -16.411 12.919 1.00 36.72 19860 CB ASP D 217 -95.515 -17.742 14.060 1.00 42.47 19862 ODI ASP D 217 -95.515 -17.742 14.060 1.00 42.47 19863 ODZ ASP D 217 -95.515 -17.742 14.060 1.00 42.47 19863 ODZ ASP D 217 -95.515 -17.742 14.060 1.00 42.47 19866 N GLU D 218 -90.956 -16.722 14.104 1.00 36.36 19867 CA GLU D 218 -90.956 -16.722 14.104 1.00 36.36 19867 CA GLU D 218 -89.523 -16.775 13.912 1.00 36.81 19866 C GLU D 218 -89.523 -16.775 13.912 1.00 36.81 19870 CD GLU D 218 -89.523 -16.775 13.912 1.00 36.91 19870 CD GLU D 218 -89.523 -16.775 13.912 1.00 36.91 19871 CEI GLU D 218 -86.058 -20.230 13.649 1.00 45.99 19872 CEZ GLU D 218 -86.058 -20.230 13.649 1.00 45.99 19872 CEZ GLU D 218 -86.058 -20.230 13.639 1.00 43.63 19875 N SER D 219 -89.663 -16.244 12.539 1.00 36.90 19875 N SER D 219 -89.663 -16.362 11.533 1.00 36.90 19875 N SER D 219 -89.663 -16.362 11.533 1.00 36.90 19876 CA SER D 219 -89.663 -16.362 11.533 1.00 36.90 19877 CE GED CO SER D 219 -89.663 -16.362 11.533 1.00 36.90 19877 CE GED CO SER D 219 -89.663 -16.362 11.533 1.00 36.90 19877 CE GED CO SER D 219 -89.663 -16.349 1.00 36.90 19876 CA SER D 219 -89.663 -16.362 11.533 1.00 36.90 19877 CE GED CO SER D 219 -89.663 -16.369 11.533 1.00 36.90 19877 CE GED CO SER D 219 -89.663 -16.369 11.533 1.00 36.90 19877 C										
19859 C TYR D 215 -88.950 -9.378 19.170 1.00 25.51 19850 C TYR D 215 -92.036 -11.136 16.387 1.00 31.07 19851 O TYR D 215 -91.324 -11.411 15.414 1.00 31.32 19852 N SER D 216 -93.290 -11.532 16.534 1.00 33.25 19854 CB SER D 216 -93.977 -12.331 15.523 1.00 33.25 19855 C SER D 216 -93.966 -11.654 14.144 1.00 33.12 19855 C SER D 216 -94.802 -12.287 13.238 1.00 32.97 19856 C SER D 216 -93.357 -13.704 15.449 1.00 33.82 19858 N ASP D 216 -92.623 -14.108 16.353 1.00 33.82 19858 N ASP D 216 -92.623 -14.108 16.353 1.00 33.82 19858 N ASP D 217 -93.659 -14.408 14.362 1.00 34.88 19859 C A SSP D 217 -93.865 -14.082 13.228 1.00 36.72 19866 C SER D 216 -92.623 -14.108 14.128 1.00 35.72 19866 C SER D 217 -93.836 -16.411 12.919 1.00 36.72 19863 OD2 ASP D 217 -95.515 -17.742 14.060 1.00 42.47 19862 OD1 ASP D 217 -95.515 -17.742 14.060 1.00 42.47 19864 C ASP D 217 -95.515 -17.742 14.060 1.00 42.47 19866 C ASP D 217 -91.658 -15.623 13.886 1.00 36.00 19866 N ASP D 217 -91.658 -15.623 13.886 1.00 36.00 19866 N ASP D 217 -91.658 -15.623 13.886 1.00 36.00 19866 N ASP D 218 -90.956 -16.725 14.104 1.00 36.36 19867 CA GLU D 218 -89.523 -16.775 13.912 1.00 36.91 19870 CD GLU D 218 -89.523 -16.775 13.912 1.00 36.91 19870 CD GLU D 218 -89.595 -18.214 14.114 1.00 37.148 19873 C GLU D 218 -86.058 -20.230 13.649 1.00 45.99 19873 C GLU D 218 -86.058 -20.230 13.649 1.00 45.99 19873 C GLU D 218 -86.058 -20.230 13.649 1.00 45.99 19873 C GLU D 218 -86.058 -20.230 13.639 1.00 40.56 19875 N ASP D 219 -89.633 -15.358 11.533 1.00 36.03 19876 C A SER D 219 -89.633 -15.358 11.533 1.00 36.03 19876 C A SER D 219 -89.633 -15.358 11.533 1.00 36.03 19876 C A SER D 219 -89.633 -15.898 11.10 30.03 5.98 19877 C B SER D 219 -90.638 -16.363 11.533 1.00 36.03										
19850 C TYR D 215 -99.036 -11.136 16.387 1.00 31.07 19851 O TYR D 215 -99.324 -11.411 15.414 1.00 31.32 19852 N SER D 216 -93.290 -11.542 16.534 1.00 33.25 19853 CA SER D 216 -93.906 -11.654 14.144 1.00 33.25 19855 OG SER D 216 -93.906 -11.654 14.144 1.00 33.25 19855 OG SER D 216 -94.802 -12.287 13.238 1.00 32.97 19857 O SER D 216 -93.857 -13.704 15.449 1.00 33.69 19858 N ASP D 216 -93.857 -13.704 15.449 1.00 33.58 19858 N ASP D 217 -93.856 -14.408 16.353 1.00 33.58 19858 N ASP D 217 -93.846 -15.744 14.128 1.00 35.87 19860 CB ASP D 217 -93.846 -15.744 14.128 1.00 35.87 19860 CB ASP D 217 -95.515 -17.742 14.060 1.00 42.47 19862 OD1 ASP D 217 -95.515 -17.742 14.060 1.00 42.47 19863 OD2 ASP D 217 -95.515 -17.742 14.060 1.00 42.47 19863 OD2 ASP D 217 -95.515 -17.742 14.060 1.00 42.47 19866 CB ASP D 217 -95.515 -17.742 14.060 1.00 42.47 19866 OD ASP D 217 -95.515 -17.742 14.060 1.00 42.47 19866 OD ASP D 217 -95.515 -17.742 14.060 1.00 43.60 19865 OD ASP D 217 -91.658 15.623 13.886 1.00 36.06 19866 N GLU D 218 -90.956 -16.722 14.104 1.00 36.36 19866 CB GLU D 218 -89.059 -18.214 14.114 1.00 36.36 19867 CA GLU D 218 -89.059 -18.214 14.114 1.00 37.14 19869 CG GLU D 218 -89.059 -18.214 14.114 1.00 37.14 19869 CG GLU D 218 -89.059 -18.214 14.114 1.00 37.14 19870 CD GLU D 218 -87.200 -19.893 14.038 1.00 44.51 19871 OEI GLU D 218 -86.058 -20.230 13.649 1.00 45.99 19872 OEZ GLU D 218 -86.058 -20.230 13.649 1.00 45.99 19872 OEZ GLU D 218 -86.058 -20.230 13.639 1.00 36.30 19876 CA SER D 219 -89.663 -16.244 12.539 1.00 36.93 19875 N SER D 219 -89.663 -16.362 11.533 1.00 36.03 19876 CA SER D 219 -89.663 -16.362 11.533 1.00 36.03 19876 CA SER D 219 -89.663 -16.362 11.533 1.00 36.03 19876 CA SER D 219 -89.663 -16.362 11.533 1.00 36.03										
19851 0 TYR D 215 -91.324 -11.411 15.414 1.00 31.32 19852 N SER D 216 -93.977 -12.331 15.523 1.00 32.24 19853 CB SER D 216 -93.977 -12.331 15.523 1.00 33.25 19855 CG SER D 216 -94.802 -12.287 13.238 1.00 33.12 19856 C SER D 216 -92.623 -13.704 15.449 1.00 33.82 19857 O SER D 216 -93.357 -13.704 15.449 1.00 33.82 19858 O ASP D 216 -92.623 -14.08 16.535 1.00 33.82 19859 CA ASP D 217 -93.659 -14.40 14.122 1.00 34.88 19860 CB ASP D 217 -93.836 -16.411 12.919 1.00 36.72 19861	19849									
19852 N SER D 216 -93.290 -11.542 16.534 1.00 32.24 19853 CA SER D 216 -93.977 -12.331 15.523 1.00 33.25 19854 CB SER D 216 -93.906 -11.654 14.144 1.00 33.12 19855 OG SER D 216 -94.802 -12.287 13.238 1.00 32.97 19857 O SER D 216 -93.357 -13.704 15.449 1.00 33.69 19858 N SER D 216 -93.657 -13.704 15.449 1.00 33.58 19859 CA SER D 216 -92.623 -14.108 16.353 1.00 33.58 19858 N ASP D 217 -93.659 -14.408 14.362 1.00 34.85 19858 N ASP D 217 -93.836 -16.411 12.919 1.00 35.87 19860 CB ASP D 217 -93.836 -16.411 12.919 1.00 36.72 19861 CG ASP D 217 -95.301 -16.822 13.222 1.00 40.47 19862 ODI ASP D 217 -95.515 -17.742 14.060 1.00 42.47 19863 ODZ ASP D 217 -95.515 -17.742 14.060 1.00 42.47 19863 ODZ ASP D 217 -95.515 -17.742 14.060 1.00 42.47 19866 N GLU D 218 -90.956 -16.622 13.826 1.00 36.06 19866 N GLU D 218 -89.523 -16.775 13.912 1.00 36.36 19866 CB GLU D 218 -89.523 -16.775 13.912 1.00 36.81 19870 CD GLU D 218 -89.059 -18.214 14.114 1.00 37.14 19869 CG GLU D 218 -87.200 -19.839 14.038 1.00 44.59 19872 OEZ GLU D 218 -87.200 -19.839 14.038 1.00 45.99 19872 OEZ GLU D 218 -86.058 -20.230 13.649 1.00 45.99 19872 OEZ GLU D 218 -86.058 -20.230 13.649 1.00 45.99 19872 OEZ GLU D 218 -86.058 -20.230 13.649 1.00 45.99 19872 OEZ GLU D 218 -86.058 -20.230 13.649 1.00 45.99 19872 OEZ GLU D 218 -86.058 -20.230 13.649 1.00 45.99 19872 OEZ GLU D 218 -86.058 -20.230 13.649 1.00 45.99 19872 OEZ GLU D 218 -86.058 -20.230 13.649 1.00 45.99 19872 OEZ GLU D 218 -86.058 -20.230 13.649 1.00 45.99 19872 OEZ GLU D 218 -86.058 -20.230 13.649 1.00 45.99 19874 OE GLU D 218 -88.002 -15.715 12.402 1.00 36.30 19875 N SER D 219 -89.963 -16.244 12.539 1.00 36.93 19876 CA SER D 219 -89.963 -16.362 11.533 1.00 36.03		C								
19853 CA SER D 216 -93.977 -12.331 15.523 1.00 33.25 19854 CB SER D 216 -93.906 -11.654 14.144 1.00 33.25 19855 OS SER D 216 -94.802 -12.287 13.238 1.00 32.97 19857 OSER D 216 -92.623 -14.108 16.353 1.00 33.82 19858 N ASP D 217 -93.659 -14.408 14.362 1.00 34.88 19860 CB ASP D 217 -93.836 -16.411 12.919 1.00 36.72 19861 CG ASP D 217 -95.515 -17.742 14.060 1.00 24.47 19863 OD ASP D 217 -95.515 -17.742 14.060 1.00 36.72 19864 OD ASP D 217 -95.515 -17.742 14.060 1.00 24.47 19866 N		0								
19854 CB SER D 216 -93.906 -11.654 14.144 1.00 33.12 19855 CS SER D 216 -93.357 -13.704 15.449 1.00 33.97 19856 CS SER D 216 -93.357 -13.704 15.449 1.00 33.59 19857 OSER D 216 -92.623 -14.108 16.533 1.00 33.58 19858 N ASP D 217 -93.659 -14.408 14.362 1.00 34.82 19858 N ASP D 217 -93.659 -14.408 14.362 1.00 34.82 19850 CA ASP D 217 -93.144 -15.744 14.128 1.00 35.87 19860 CB ASP D 217 -93.144 -15.744 14.128 1.00 35.87 19860 CB ASP D 217 -95.301 -16.822 13.222 1.00 40.47 19862 OD1 ASP D 217 -95.515 -17.742 14.060 1.00 42.47 19863 OD2 ASP D 217 -95.515 -17.742 14.060 1.00 42.47 19866 C ASP D 217 -96.298 -16.280 12.670 1.00 36.06 19866 N GJU D 218 -90.956 -16.722 14.104 1.00 36.36 19866 N GJU D 218 -89.523 -16.725 13.912 1.00 36.36 19868 CB GJU D 218 -89.523 -16.725 13.912 1.00 36.36 19870 CB GJU D 218 -87.200 -19.893 14.038 1.00 36.06 19870 CB GJU D 218 -87.200 -19.893 14.038 1.00 36.99 19870 CB GJU D 218 -87.200 -19.893 14.038 1.00 45.99 19872 OE2 GJU D 218 -86.058 -20.230 13.649 1.00 45.99 19872 OE2 GJU D 218 -88.058 -20.230 13.649 1.00 45.99 19873 CB GJU D 218 -88.058 -20.230 13.649 1.00 45.99 19874 O GJU D 218 -88.058 -20.230 13.649 1.00 45.99 19875 N SER D 219 -89.633 -16.362 11.533 1.00 36.30 19876 CA SER D 219 -89.633 -16.362 11.533 1.00 36.30 36.37 18877 CB SER D 219 -89.633 -16.362 11.533 1.00 36.30 36.37 18877 CB SER D 219 -89.633 -15.898 10.179 1.00 35.98 18977 CB SER D 219 -89.633 -16.362 11.533 1.00 36.03 36.97 18977 CB SER D 219 -90.638 -16.439 9.163 10.00 36.90 36.79 18977 CB SER D 219 -90.638 -16.362 11.533 1.00 36.05 36.98 18977 CB SER D 219 -90.638 -16.362 11.533 9.100 36.93 36.97 18977 CB SER D 219 -90.638 -16.439 9.163 10.00 36.90 36.97										
19855 OG SER D 216 -94.802 -12.287 13.238 1.00 32.97 19857 O SER D 216 -93.857 -13.704 15.449 1.00 33.29 19857 O SER D 216 -92.623 -14.108 16.353 1.00 33.58 19858 N ASP D 217 -93.144 -15.744 41.28 1.00 35.87 19860 CB ASP D 217 -93.830 -16.411 12.919 1.00 36.72 19863 OB ASP D 217 -95.515 -17.742 14.060 1.00 42.47 19863 OB ASP D 217 -95.515 -17.742 14.060 1.00 36.72 19863 OB ASP D 217 -95.515 -17.742 14.060 1.00 24.47 19865 O ASP D 217 -91.658 -15.623 13.886 1.00 36.06 198		CA								
19856 C SER D 216 -93.357 -13.704 15.449 1.00 33.82 19857 O SER D 216 -92.623 -14.108 16.353 1.00 33.82 19858 N ASP D 217 -93.659 -14.408 14.362 1.00 34.88 19859 CA ASP D 217 -93.836 -16.411 12.919 1.00 35.87 19860 CB ASP D 217 -95.301 -16.822 13.222 1.00 4.47 19862 OB ASP D 217 -95.515 -17.742 14.660 1.00 42.44 19863 OD2 ASP D 217 -96.298 -16.280 12.670 1.00 42.44 19864 C ASP D 217 -96.298 -16.280 12.670 1.00 42.44 19865 O ASP D 217 -91.658 -15.623 13.886 1.00 36.00 19866 N GLU D 218 -90.956 -16.722 14.104 1.00 36.00 19867 CA GLU D 218 -89.523 -16.775 13.912 1.00 36.91 19870 CD GLU D 218 -89.595 -18.214 14.114	19854	CB	SER	D	216	-93.906		14.144	1.00	33.12
19857 O SER D 216 -92.623 -14.108 16.533 1.00 33.58 19858 N ASP D 217 -93.659 -14.408 14.362 1.00 34.88 19859 CA ASP D 217 -93.144 -15.744 14.128 1.00 34.88 19860 CB ASP D 217 -93.836 -16.411 12.919 1.00 36.72 19862 ODI ASP D 217 -95.515 -17.742 14.060 1.00 42.47 19863 ODZ ASP D 217 -95.515 -17.742 14.060 1.00 42.47 19864 C ASP D 217 -95.698 -16.280 12.670 1.00 42.47 19865 N GXP D 217 -91.658 -15.623 13.886 1.00 36.06 19865 N GLU D 218 -90.956 -16.722 14.104 1.00 36.06 19867 CA GLU D 218 -89.523 -16.775 13.912 1.00 36.81 19868 CB GLU D 218 -89.523 -16.775 13.912 1.00 36.81 19870 CD GLU D 218 -80.559 -18.214 43.114 <td>19855</td> <td>OG</td> <td>SER</td> <td>D</td> <td>216</td> <td>-94.802</td> <td></td> <td>13.238</td> <td>1.00</td> <td>32.97</td>	19855	OG	SER	D	216	-94.802		13.238	1.00	32.97
19858 N ASP D 217 -93.659 -14.408 14.362 1.00 34.88 19859 CA ASP D 217 -93.834 -14.252 1.00 34.88 19861 CB ASP D 217 -93.836 -16.411 12.919 1.00 36.72 19862 ODI ASP D 217 -95.301 -16.822 13.222 1.00 40.47 19863 ODZ ASP D 217 -95.515 -17.742 14.660 1.00 42.47 19863 ODZ ASP D 217 -96.298 -16.280 12.670 1.00 42.44 19865 O ASP D 217 -91.658 -15.623 13.886 1.00 36.00 19866 N GLU D 218 -90.956 -16.722 14.104 1.00 36.36 19867 CA GLU D 218 -89.523 -16.775 13.912 1.00 36.81 19868 C G GLU D 218 -89.523 -16.775 13.912 1.00 36.81 19869 CG GLU D 218 -89.595 -18.214 14.114 1.00 37.34 19869 CG GLU D 218 -89.595 -18.214 14.114 1.00 37.14 19869 CG GLU D 218 -89.659 -18.214 14.114 1.00 37.14 19870 CD GLU D 218 -87.604 -18.453 13.807 1.00 40.56 19870 CD GLU D 218 -87.604 -18.453 13.807 1.00 40.56 19870 CD GLU D 218 -86.058 -20.230 13.649 1.00 45.99 19872 CD GLU D 218 -80.06 -16.244 12.539 1.00 36.35 19874 C GLU D 218 -89.096 -16.244 12.539 1.00 36.35 19874 C GLU D 218 -89.096 -16.244 12.539 1.00 36.35 19875 N SER D 219 -89.633 -15.898 11.533 1.00 36.03 19876 CA SER D 219 -89.633 -15.898 11.533 1.00 36.03 19876 CA SER D 219 -89.633 -15.898 11.533 1.00 36.03 19876 CA SER D 219 -99.638 -16.368 1.1533 9.163 1.00 36.03		C	SER	D	216	-93.357	-13.704	15.449	1.00	33.82
19859 CA ASP D 217 -93.144 -15.744 14.128 1.00 35.87 19860 CB ASP D 217 -95.301 -16.822 13.222 1.00 40.47 19862 ODI ASP D 217 -95.301 -16.822 13.222 1.00 40.47 19863 ODZ ASP D 217 -95.515 -17.742 14.060 1.00 42.47 19864 C ASP D 217 -96.298 -16.200 12.670 1.00 42.47 19866 N GLU D 218 -91.658 -15.623 13.886 1.00 36.06 19866 N GLU D 218 -89.523 -16.775 13.912 1.00 36.36 19868 CB GLU D 218 -89.523 -16.775 13.912 1.00 36.81 19869 CG GLU D 218 -89.059 -18.214 14.114 1.00 37.14 19869 CG GLU D 218 -87.604 -18.453 13.807 1.00 40.56 19870 OE GLU D 218 -87.200 -19.893 14.038 1.00 44.51 19871 OEI GLU D 218 -87.200 -19.893 14.038 1.00 44.51 19871 OEI GLU D 218 -87.604 -18.453 13.807 1.00 40.56 19872 OEZ GLU D 218 -86.058 -20.230 13.649 1.00 45.99 19872 OEZ GLU D 218 -88.059 -18.214 14.114 1.00 37.14 19873 C GLU D 218 -88.059 -18.214 14.114 1.00 37.14 19873 C GLU D 218 -88.059 -15.24 11.00 11.00 43.55 19873 C GLU D 218 -88.059 -15.24 11.00 11.00 43.55 19873 C GLU D 218 -89.096 -16.244 12.539 1.00 36.39 19874 OE GLU D 218 -89.996 -16.244 12.539 1.00 36.39 19875 N SER D 219 -89.963 -16.362 11.533 1.00 36.03 19876 CA SER D 219 -89.633 -16.358 11.533 1.00 36.03	19857	0	SER	D	216	-92.623	-14.108	16.353	1.00	33.58
19860 CB ASP D 217	19858	N	ASP	D	217	-93.659	-14.408	14.362	1.00	34.88
19861 CG ASP D 217 -95.301 -16.822 13.222 1.00 40.47 19863 OD2 ASP D 217 -96.298 -16.280 12.670 1.00 42.47 19864 C ASP D 217 -96.298 -16.280 12.670 1.00 42.47 19866 N GLU D 218 -91.658 -15.623 13.856 1.00 36.06 19866 N GLU D 218 -89.523 -16.722 14.104 1.00 36.36 19867 CA GLU D 218 -89.523 -16.725 13.912 1.00 36.36 19868 CB GLU D 218 -89.523 -16.775 13.912 1.00 36.36 19869 CG GLU D 218 -89.059 -18.214 14.114 1.00 37.14 19869 CG GLU D 218 -87.000 -19.893 13.807 1.00 40.56 19870 CD GLU D 218 -87.200 -19.893 14.038 1.00 44.21 19871 OEI GLU D 218 -87.604 -18.453 13.807 1.100 45.99 19872 OEZ GLU D 218 -88.058 -20.230 13.649 1.00 45.99 19872 OEZ GLU D 218 -88.058 -20.230 13.649 1.00 45.99 19872 OEZ GLU D 218 -88.015 -20.676 14.601 1.00 43.55 19873 C GLU D 218 -89.096 -16.244 12.539 1.00 36.39 19874 O GLU D 218 -89.096 -16.244 12.539 1.00 36.39 19875 N SER D 219 -89.633 -16.362 11.533 1.00 36.00 19876 CA SER D 219 -89.633 -16.362 11.533 1.00 36.00 19876 CA SER D 219 -89.633 -16.362 11.533 1.00 36.00	19859	CA	ASP	D	217	-93.144	-15.744	14.128	1.00	35.87
19862 ODL ASP D 217 -95.515 -17.742 14.060 1.00 42.47 19864 OD ASP D 217 -96.298 -16.280 12.670 1.00 42.44 19864 C ASP D 217 -91.658 -15.623 13.886 1.00 36.06 19865 O ASP D 217 -91.157 -14.561 13.516 1.00 36.06 19866 N GLU D 218 -90.956 -16.722 14.104 1.00 36.36 19867 CA GLU D 218 -89.523 -16.775 13.912 1.00 36.81 19868 CB GLU D 218 -89.559 -18.214 14.114 1.00 37.14 19869 CG GLU D 218 -89.559 -18.214 14.114 1.00 37.14 19870 CD GLU D 218 -87.604 -18.453 13.807 1.00 40.56 19870 CD GLU D 218 -87.604 -18.453 13.807 1.00 40.56 19870 CD GLU D 218 -87.604 -18.453 13.807 1.00 45.99 19872 CD GLU D 218 -86.058 -20.230 13.649 1.00 45.99 19872 CD GLU D 218 -88.002 -15.715 12.402 1.00 36.39 19876 CA SER D 219 -89.633 -16.362 11.533 1.00 36.03 19876 CA SER D 219 -89.633 -16.362 11.533 1.00 36.98 19877 CB SER D 219 -99.638 -16.589 11.179 1.00 35.98 19877 CB SER D 219 -99.638 -16.489 9.163 1.00 36.03 5.98	19860	CB	ASP	D	217	-93.836	-16.411	12.919	1.00	36.72
19863 ODZ ASP D 217 -96.298 -16.280 12.670 1.00 32.44 19865 O ASP D 217 -91.658 -15.623 13.886 1.00 36.00 19866 N GLU D 218 -90.956 -16.722 14.104 1.00 36.36 19867 CA GLU D 218 -89.523 -16.775 13.912 1.00 36.36 19868 CB GLU D 218 -89.059 -18.214 14.114 1.00 37.14 19870 CD GLU D 218 -87.200 -19.893 14.038 1.00 44.21 19871 OEI GLU D 218 -87.200 -19.893 14.038 1.00 44.51 19873 C GLU D 218 -80.15 -20.230 13.649 1.00 45.99 19874 O GLU D 218 <td>19861</td> <td>CG</td> <td>ASP</td> <td>D</td> <td>217</td> <td>-95.301</td> <td>-16.822</td> <td>13.222</td> <td>1.00</td> <td>40.47</td>	19861	CG	ASP	D	217	-95.301	-16.822	13.222	1.00	40.47
19866 C ASP D 217 -91.658 -15.623 13.886 1.00 36.06 19866 N GLU D 218 -90.956 -16.722 14.104 1.00 36.36 19867 CA GLU D 218 -89.523 -16.775 13.912 1.00 36.81 19868 CB GLU D 218 -89.523 -16.244 14.114 1.00 37.14 19869 CG GLU D 218 -89.559 -18.214 14.114 1.00 37.14 19869 CG GLU D 218 -87.604 -18.453 13.807 1.00 40.56 19970 CD GLU D 218 -87.604 -18.453 13.807 1.00 40.56 19970 CD GLU D 218 -87.604 -18.453 13.807 1.00 40.56 19973 0C GLU D 218 -86.058 -20.230 13.649 1.00 45.99 19872 OCC GLU D 218 -88.002 -15.76 14.601 1.00 43.55 19873 C GLU D 218 -89.096 -16.244 12.539 1.00 36.39 19876 CA SER D 219 -89.633 -16.362 11.533 1.00 36.03 19876 CA SER D 219 -89.633 -16.362 11.533 1.00 36.98 19877 CB SER D 219 -99.638 -16.362 11.533 1.00 36.98 19877 CB SER D 219 -90.638 -16.499 9.163 1.00 35.98	19862	OD1	ASP	D	217	-95.515	-17.742	14.060	1.00	42.47
19865 O ASP D 217 -91.157 -14.561 13.516 1.00 36.00 19866 N GLU D 218 -89.523 -16.775 13.912 1.00 36.36 19868 CB GLU D 218 -89.523 -16.775 13.912 1.00 36.81 19868 CB GLU D 218 -89.059 -18.214 14.114 1.00 37.14 19869 CG GLU D 218 -87.604 -18.453 13.807 1.00 40.56 19870 CD GLU D 218 -87.200 -19.893 14.038 1.00 44.21 19871 OEI GLU D 218 -88.015 -20.676 14.601 1.00 45.59 19872 OE2 GLU D 218 -88.015 -20.676 14.601 1.00 43.55 19873 C GLU D 218 -89.096 -16.244 12.539 1.00 36.39 19875 N SER D 219 -89.963 -16.362 11.533 1.00 36.00 19876 CA SER D 219 -89.633 -15.898 10.791 1.00 35.98 19877 CB SER D 219 -90.638 -16.439 9.163 1.00 36.03	19863	OD2	ASP	D	217	-96.298	-16.280	12.670	1.00	42.44
19866 N GLU D 218 -90.956 -16.722 14.104 1.00 36.36 19867 CA GLU D 218 -89.523 -16.775 13.912 1.00 36.81 19868 CB GLU D 218 -89.059 -18.214 14.114 1.00 37.14 19870 OB GLU D 218 -87.200 -19.893 14.038 1.00 44.59 19871 OEI GLU D 218 -86.058 -20.230 13.649 1.00 45.99 19873 C GLU D 218 -89.096 -16.244 12.539 1.00 36.39 19874 O GLU D 218 -89.096 -16.244 12.539 1.00 36.03 19875 N SER D 219 -89.963 -16.362 11.533 1.00 36.03 19876 C SER D 219	19864	С	ASP	D	217	-91.658	-15.623	13.886	1.00	36.06
19867 CA GLU D 218 -89.523 -16.775 13.912 1.00 36.81 19868 CB GLU D 218 -87.604 -18.453 13.807 1.00 40.56 19970 CD GLU D 218 -87.604 -18.453 13.807 1.00 40.56 19970 CD GLU D 218 -87.200 -19.893 14.038 1.00 44.21 19871 OE1 GLU D 218 -86.568 -20.230 13.649 1.00 45.95 19873 C GLU D 218 -88.015 -20.676 14.601 1.00 43.55 19873 C GLU D 218 -89.096 -16.244 12.539 1.00 36.39 19875 N GEN D 219 -89.096 -16.244 12.539 1.00 36.39 19875 N GEN D 219 -89.963 -16.362 11.533 1.00 36.00 19876 CA SER D 219 -89.633 -15.898 10.179 1.00 35.98 19877 CB SER D 219 -90.638 -16.439 9.163 1.00 35.98	19865	0	ASP	D	217	-91.157	-14.561	13.516	1.00	36.00
19868 CB GLU D 218 -89.059 -18.214 14.114 1.00 37.14 19870 CD GLU D 218 -87.604 -18.453 13.807 1.00 40.56 19871 OEI GLU D 218 -87.200 -19.893 14.038 1.00 43.59 19872 OE GLU D 218 -86.058 -20.230 13.649 1.00 45.99 19873 C GLU D 218 -89.096 -16.244 12.539 1.00 36.39 19874 O GLU D 218 -89.096 -16.244 12.539 1.00 36.39 19875 N SER D 219 -89.963 -16.362 11.533 1.00 36.00 19876 CA SER D 219 -89.633 -15.898 10.179 1.00 35.98 19877 CB SER D 219 -60.638 -16.439 9.163 10.00 36.93 9.63 <	19866	N	GLU	D	218	-90.956	-16.722	14.104	1.00	36.36
19869 CG GLU D 218 -87.604 -18.453 13.807 1.00 40.56 19870 D GLU D 18 -87.200 -19.893 14.038 1.00 44.21 19871 OEI GLU D 218 -86.058 -20.230 13.649 1.00 45.99 19873 C GLU D 218 -89.096 -16.244 12.539 1.00 36.03 19874 O GLU D 218 -89.096 -16.244 12.539 1.00 36.03 19875 N SER D 219 -89.633 -15.715 12.402 1.00 36.03 19876 CA SER D 219 -89.633 -15.898 10.179 1.00 36.98 19877 CB SER D 219 -89.633 -15.898 10.179 1.00 36.93	19867	CA	GLU	D	218	-89.523	-16.775	13.912	1.00	36.81
19870 CD GLU D 218 -87.200 -19.893 14.038 1.00 44.21 19871 OE1 GLU D 218 -86.058 -20.230 13.649 1.00 45.99 19872 OE2 GLU D 218 -88.015 -20.676 14.601 1.00 43.55 19873 C GLU D 218 -89.096 -16.244 12.539 1.00 36.39 19875 N SER D 219 -89.096 -16.342 11.533 1.00 36.00 19876 CA SER D 219 -89.963 -16.362 11.533 1.00 36.00 19876 CA SER D 219 -89.633 -15.898 10.179 1.00 35.98 19877 CB SER D 219 -90.638 -16.439 9.163 1.00 36.00	19868	CB	GLU	D	218	-89.059	-18.214	14.114	1.00	37.14
19871 OEI GLU D 218 -86.058 -20.230 13.649 1.00 45.99 19872 OEZ GLU D -88.015 - 20.676 14.601 1.00 43.55 19873 C GLU D 218 -89.096 - 16.244 12.539 1.00 36.39 19875 N SER D 219 -89.963 - 16.362 11.533 1.00 36.03 19876 CA SER D 219 -89.633 - 16.362 11.533 1.00 36.98 19877 CB SER D 219 -89.633 - 15.898 10.179 1.00 35.98 19877 CB SER D 219 -80.633 - 16.439 9.163 10.03 5.02	19869	CG	GLU	D	218	-87.604	-18.453	13.807	1.00	40.56
19871 OEI GLU D 218 -86.058 -20.230 13.649 1.00 45.99 19872 OEZ GLU D -88.015 - 20.676 14.601 1.00 43.55 19873 C GLU D 218 -89.096 - 16.244 12.539 1.00 36.39 19875 N SER D 219 -89.963 - 16.362 11.533 1.00 36.03 19876 CA SER D 219 -89.633 - 16.362 11.533 1.00 36.98 19877 CB SER D 219 -89.633 - 15.898 10.179 1.00 35.98 19877 CB SER D 219 -80.633 - 16.439 9.163 10.03 5.02	19870	CD	GLU	D	218	-87.200	-19.893	14.038	1.00	44.21
19873 C GLU D 218 -89.096 -16.244 12.539 1.00 36.39 19874 O GLU D 218 -88.002 -15.715 12.402 1.00 36.03 19875 N SER D 219 -89.963 -16.362 11.533 1.00 36.03 19876 CA SER D 219 -89.633 -15.898 10.179 1.00 35.98 19877 CB SER D 219 -90.638 -16.439 9.163 1.00 36.02	19871	OE1	GLU	D	218	-86.058	-20.230	13.649	1.00	45.99
19873 C GLU D 218 -89.096 -16.244 12.539 1.00 36.39 19874 O GLU D 218 -88.002 -15.715 12.402 1.00 36.03 19875 N SER D 219 -89.963 -16.362 11.533 1.00 36.03 19876 CA SER D 219 -89.633 -15.898 10.179 1.00 35.98 19877 CB SER D 219 -90.638 -16.439 9.163 1.00 36.02	19872	OE2	GLU	D	218	-88.015	-20.676	14.601	1.00	43.55
19875 N SER D 219 -89.963 -16.362 11.533 1.00 36.00 19876 CA SER D 219 -89.633 -15.898 10.179 1.00 35.98 19877 CB SER D 219 -90.638 -16.439 9.163 1.00 36.02	19873	С	GLU	D	218	-89.096	-16.244	12.539	1.00	36.39
19875 N SER D 219 -89.963 -16.362 11.533 1.00 36.00 19876 CA SER D 219 -89.633 -15.898 10.179 1.00 36.00 19877 CB SER D 219 -90.638 -16.439 9.163 1.00 36.02										
19876 CA SER D 219 -89.633 -15.898 10.179 1.00 35.98 19877 CB SER D 219 -90.638 -16.439 9.163 1.00 36.02										
19877 CB SER D 219 -90.638 -16.439 9.163 1.00 36.02										
19878 OG SER D 219 -91.961 -16.148 9.556 1.00 36.24										
19879 C SER D 219 -89.514 -14.373 10.000 1.00 36.12										
19880 O SER D 219 -88.973 -13.910 8.995 1.00 35.86										

FIGURE 3 NZ

19881 N	A	В	С	D	E	F	G	H	1	J
19882 CA	10001	NT.	1 1211	Б	220	00 024	12 500	10 040	1 00	35 55
1988 CB LEU D 220										
19884 CG LEU D 220										
19885 CDL LEU D 220										
19886 CD2 LEU D 220										
1988										
1988										
1988 N										
19890 CA GLN D 221 -86.396 -10.850 10.297 1.00 34.60										
1989 CB GLN D 221 -85.708 -10.670 8.931 1.00 34.28										
1989										
1989 CD GIN D 221 -83.468 -10.432 7.715 1.00 38.63 19894 OEI GIN D 221 -82.717 -10.994 7.755 1.00 38.23 19895 NEZ GIN D 221 -84.017 -10.010 6.569 1.00 38.62 19896 C GIN D 221 -85.342 -9.575 12.025 1.00 34.16 19897 O GIN D 221 -85.342 -9.575 12.025 1.00 34.56 19898 N TYR D 222 -86.860 -8.631 10.963 1.00 34.08 19909 CR TYR D 222 -86.860 -6.195 10.945 1.00 33.19 19901 CR TYR D 222 -85.502 -6.002 10.315 1.00 33.19 19901 CR TYR D 222 -84.581 -5.148 10.884 1.00 30.98 19903 CEI TYR D 222 -83.007 -5.614 9.168 1.00 30.36 19905 CR TYR D 222 -83.007 -5.614 9.168 1.00 30.36 19905 CR TYR D 222 -83.007 -5.614 9.168 1.00 30.36 19906 CEZ TYR D 222 -83.309 -6.472 8.573 1.00 29.02 19907 CDZ TYR D 222 -85.146 -6.659 3.141 1.00 30.28 19908 C TYR D 222 -85.146 -6.659 3.141 1.00 30.28 19909 O TYR D 222 -89.335 -7.502 12.160 1.00 34.31 19910 N PRO D 223 -88.065 -7.171 16.080 1.00 34.27 19911 CA PRO D 223 -88.065 -7.171 16.080 1.00 34.27 19912 CB PRO D 223 -88.056 -7.171 16.080 1.00 34.68 19913 CR PRO D 223 -88.056 -6.579 14.359 1.00 34.31 19914 CD PRO D 223 -88.556 -6.579 14.359 1.00 34.31 19915 CR PRO D 223 -88.556 -6.579 14.359 1.00 34.31 19916 CR PRO D 223 -88.556 -6.579 14.359 1.00 34.31 19917 N IXS D 224 -91.359 -5.918 14.617 1.00 34.36 19918 CA IXS D 224 -91.359 -5.918 14.617 1.00 34.36 19919 CR IXS D 224 -91.359 -5.918 13.859 1.00 34.36 19921 CD IXS D 224 -91.559 -5.797 14.381 1.00 34.36 19922 CR IXS D 224 -91.559 -5.918 13.859 1.00 37.46 19923 CR IXS D 224 -91.559 -5.918 14.617 1.00 34.36 19924 CD IXS D 22										
19894 OEL GIN D 221										
19895 NEZ GIN D 221										
19896 C										
1989 N										
1989										
1989										
1990										
1990										
1990 CDI TYR D 222	19900	CB					-6.195			
1990 CE	19901	CG						10.315		
1990 CZ										
19906 CE2 TYR D 222 -88.136 -8.628 1.00 27.90										
19906 CE2 TYR D 222 -83.909 -6.472 8.573 1.00 29.02	19904									
1990	19905	OH	TYR	D	222	-81.754	-5.386	8.628	1.00	27.90
1990 C	19906	CE2	TYR	D	222	-83.909	-6.472	8.573	1.00	29.02
19919	19907	CD2	TYR	D	222			9.141	1.00	30.28
19910 N	19908	C						12.662	1.00	34.09
19911 CA	19909	0	TYR	D	222	-89.335	-7.502	12.160	1.00	
19913 CB PRO D 223 -88.550 -6.573 16.174 1.00 33.88 19914 CD PRO D 223 -86.786 -6.987 14.659 1.00 34.68 19915 C PRO D 223 -86.786 -6.987 14.659 1.00 34.68 19916 CD PRO D 223 -89.557 -4.819 13.859 1.00 34.22 19917 N LYS D 224 -99.557 -4.819 13.859 1.00 34.36 19918 CA LYS D 224 -91.359 -5.918 14.617 1.00 34.36 19919 CB LYS D 224 -93.581 -5.644 13.787 1.00 34.71 19920 CG LYS D 224 -94.691 -4.779 13.283 1.00 34.71 19920 CD LYS D 224 -95.775 -5.674 12.694 1.00 34.36 19921 CD LYS D 224 -95.775 -5.674 12.694 1.00 34.67 19922 CE LYS D 224 -98.632 -6.090 13.725 1.00 34.67 19923 NZ LYS D 224 -98.632 -6.090 13.725 1.00 34.67 19924 C LYS D 224 -98.632 -6.090 13.725 1.00 34.36 19925 CS LYS D 224 -92.630 -4.016 15.452 1.00 34.71 19926 N THR D 225 -92.731 -2.719 15.233 1.00 32.82 19927 CA THR D 225 -93.053 -1.816 16.325 1.00 31.33 19929 CG THR D 225 -92.217 -0.546 16.220 1.00 31.33 19930 CG THR D 225 -92.513 0.401 17.408 1.00 29.29	19910	N	PRO	D	223	-88.065	-7.112	13.952	1.00	34.14
19913 CG	19911	CA	PRO	D	223	-89.207	-6.944	14.847	1.00	34.27
19914 CD	19912	CB	PRO	D	223	-88.550	-6.573	16.174	1.00	33.88
19915 C	19913	CG	PRO	D	223	-87.203	-7.171	16.080	1.00	34.68
19916 O	19914	CD	PRO	D	223	-86.786	-6.987	14.659	1.00	33.87
19917 N	19915	C	PRO	D	223	-90.065	-5.797	14.381	1.00	34.22
19918 CA LYS D 224 -92.327 -4.910 14.246 1.00 34.39 19920 CG LYS D 224 -94.691 -4.779 13.283 1.00 34.71 19921 CD LYS D 224 -95.775 -5.674 12.694 1.00 41.70 19922 E LYS D 224 -98.32 -6.090 13.725 1.00 43.67 19924 C LYS D 224 -98.161 -5.463 13.412 1.00 44.44 19924 C LYS D 224 -92.731 -4.016 15.452 1.00 33.72 19925 O LYS D 224 -92.731 -2.191 15.2452 1.00 33.72 19926 N THR D 225 -92.731 -2.719 15.243 1.00 32.82 19927 C THR D 225 -93.535 -1.816 16.325 1.00 31.33 19928	19916	0	PRO	D	223	-89.557	-4.819	13.859	1.00	34.41
19919 CB LYS D 224 -93.581 -5.644 13.787 1.00 34.71 19920 CB LYS D 224 -94.691 -4.779 13.283 1.00 37.46 19921 CD LYS D 224 -95.775 -5.674 12.694 1.00 41.76 19922 CE LYS D 224 -96.832 -6.090 13.725 1.00 43.67 19924 C LYS D 224 -98.6161 -5.643 13.412 1.00 44.46 19925 C LYS D 224 -92.630 -4.016 15.452 1.00 33.72 19926 N THR D 225 -92.731 -2.719 15.243 1.00 32.82 19927 CA THR D 225 -93.053 -18.16 16.325 1.00 31.33 19928 CB THR D 225 -90.834 -0.888 16.320 1.00 31.23 19930 <td>19917</td> <td>N</td> <td>LYS</td> <td>D</td> <td>224</td> <td>-91.359</td> <td>-5.918</td> <td>14.617</td> <td>1.00</td> <td>34.36</td>	19917	N	LYS	D	224	-91.359	-5.918	14.617	1.00	34.36
19920 CG	19918	CA	LYS	D	224	-92.327	-4.910	14.246	1.00	34.39
19921 CD LYS D 224 -95.775 -5.674 12.694 1.00 41.70 19922 CE LYS D 224 -98.161 -5.463 13.412 1.00 43.67 19924 C LYS D 224 -98.161 -5.463 13.412 1.00 43.72 19925 C LYS D 224 -92.630 -4.016 15.452 1.00 33.72 19926 N THR D 224 -92.751 -4.491 16.566 1.00 34.71 19927 N THR D 225 -92.731 -2.719 15.243 1.00 32.82 19928 CB THR D 225 -92.217 -0.546 16.220 1.00 31.33 19929 OGI THR D 225 -90.834 -0.888 16.378 1.00 28.29 19930 OGZ THR D 225 -92.513 0.401 17.408 1.00 29.29	19919	CB	LYS	D	224	-93.581	-5.644	13.787	1.00	34.71
19922 CE LYS D 24 -96.832 -6.090 13.725 1.00 43.67 19923 NZ LYS D 24 -98.616 -5.463 13.412 1.00 43.67 19925 C LYS D 24 -92.630 -4.016 15.452 1.00 33.72 19926 N THR D 25 -92.731 -2.719 15.243 1.00 32.71 19927 CA THR D 225 -93.053 -1.816 16.225 1.00 31.33 19928 CB THR D 225 -92.217 -0.546 16.225 1.00 31.33 19929 OGI THR D 225 -92.13 -0.88 16.378 1.00 28.29 19930 CG ZHR D 225 -92.513 0.40 17.408 1.00 29.28	19920	CG	LYS	D	224	-94.691	-4.779	13.283	1.00	37.46
19922 CE LYS D 24 -96.832 -6.090 13.725 1.00 43.67 19923 NZ LYS D 24 -98.616 -5.463 13.412 1.00 43.67 19925 C LYS D 24 -92.630 -4.016 15.452 1.00 33.72 19926 N THR D 25 -92.731 -2.719 15.243 1.00 32.71 19927 CA THR D 225 -93.053 -1.816 16.225 1.00 31.33 19928 CB THR D 225 -92.217 -0.546 16.225 1.00 31.33 19929 OGI THR D 225 -92.13 -0.88 16.378 1.00 28.29 19930 CG ZHR D 225 -92.513 0.40 17.408 1.00 29.28	19921	CD	LYS	D	224	-95.775	-5.674	12.694	1.00	41.70
19924 C LYS D 224 -92.630 -4.016 15.452 1.00 33.72 19925 O LYS D 224 -92.751 -4.491 16.566 1.00 34.71 19926 N THR D 225 -92.731 -2.719 15.243 1.00 32.82 19927 CA THR D 225 -93.053 -1.816 16.225 1.00 31.33 19928 CB THR D 225 -92.217 -0.546 16.220 1.00 31.33 19929 OG1 THR D 225 -90.834 -0.888 16.378 1.00 28.29 19930 OG2 THR D 225 -92.513 0.401 17.408 1.00 29.29		CE		D						
19925 O LYS D 224 -92.751 -4.491 16.566 1.00 34.71 19926 N THR D 225 -92.731 -2.719 15.243 1.00 32.82 19927 Ca THR D 225 -93.053 -1.816 16.325 1.00 31.33 19929 OG1 THR D 225 -92.217 -0.546 16.220 1.00 31.33 19929 OG1 THR D 225 -90.834 -0.888 16.378 1.00 28.29 19930 CG2 THR D 225 -92.513 0.401 17.408 1.00 29.29	19923	NZ	LYS	D	224	-98.161	-5.463	13.412	1.00	44.44
19926 N THR D 225 -92.731 -2.719 15.243 1.00 32.82 19927 CA THR D 225 -93.053 -1.816 16.325 1.00 31.33 19928 CB THR D 225 -92.217 -0.546 16.220 1.00 31.33 19929 OGI THR D 225 -90.834 -0.884 16.378 1.00 28.29 19930 OG THR D 225 -92.513 0.401 17.408 1.00 29.29	19924	С	LYS	D	224	-92.630	-4.016	15.452	1.00	33.72
19926 N THR D 225 -92.731 -2.719 15.243 1.00 32.82 19927 CA THR D 225 -93.053 -1.816 16.325 1.00 31.33 19928 CB THR D 225 -92.217 -0.546 16.220 1.00 31.33 19929 OG1 THR D 225 -90.834 -0.888 16.328 1.00 28.29 19930 OG2 THR D 225 -92.513 0.401 17.408 1.00 29.29										
19927 CA THR D 225 -93.053 -1.816 16.325 1.00 31.33 19928 CB THR D 225 -92.217 -0.546 16.220 1.00 31.33 19929 OG1 THR D 225 -90.834 -0.888 16.378 1.00 28.29 19930 CG2 THR D 225 -92.513 0.401 17.408 1.00 29.29	19926	N				-92.731				32.82
19928 CB THR D 225 -92.217 -0.546 16.220 1.00 31.33 19929 OGI THR D 225 -90.834 -0.888 16.378 1.00 28.29 19930 CG2 THR D 225 -92.513 0.401 17.408 1.00 29.29										
19929 OG1 THR D 225 -90.834 -0.888 16.378 1.00 28.29 19930 CG2 THR D 225 -92.513 0.401 17.408 1.00 29.29										
19930 CG2 THR D 225 -92.513 0.401 17.408 1.00 29.29										

FIGURE 3 OA

A	В	С	D	E	F	G	Н	I	J
19932	0	THR	D	225	-95.032	-0.894	15.335	1.00	32.38
19933	N	VAL			-95.250	-1.885	17.337	1.00	31.14
19934	CA	VAL	D	226	-96.664	-1.612	17.453	1.00	30.16
19935	CB	VAL	D	226	-97.355	-2.626	18.379	1.00	30.16
19936	CG1	VAL	D	226	-98.778	-2.192	18.694	1.00	29.53
19937	CG2	VAL	D	226	-97.313	-4.040	17.779	1.00	28.64
19938	C	VAL	D	226	-96.749	-0.249	18.085	1.00	30.36
19939	0	VAL	D	226	-96.000	0.067	19.033	1.00	30.18
19940	N	ARG	D	227	-97.663	0.558	17.566	1.00	29.90
19941	CA	ARG	D	227	-97.847	1.911	18.031	1.00	29.68
19942	CB	ARG			-97.330	2.892	16.965	1.00	30.45
19943	CG	ARG			-95.833	2.741	16.607	1.00	31.29
19944	CD	ARG			-95.266	3.880	15.753	1.00	33.74
19945	NE	ARG			-93.794	3.932	15.704	1.00	38.15
19946	CZ	ARG			-93.013	3.212	14.876	1.00	37.63
19947	NH1	ARG			-93.548	2.339	14.025	1.00	39.45
19948	NH2	ARG			-91.696	3.363	14.902	1.00	34.26
19949	С	ARG			-99.336	2.089	18.265	1.00	29.49
19950	0	ARG			-100.131	1.899	17.356	1.00	29.57
19951	N	VAL			-99.740	2.411	19.491	1.00	29.10
19952	CA	VAL			-101.166	2.580	19.753	1.00	28.12
19953	CB	VAL			-101.834	1.313	20.377	1.00	28.67
19954	CG1	VAL			-102.402	1.590	21.760	1.00	29.84
19955	CG2	VAL			-100.896	0.113	20.397	1.00	27.52
19956	С	VAL			-101.419	3.833	20.581	1.00	27.61
19957 19958	O	VAL		229	-100.664 -102.451	4.139 4.596	21.501 20.223	1.00	27.98 26.71
19958	CA			229	-102.431	5.827	20.223	1.00	26.71
19960	CB	PRO			-102.738	6.482	20.330	1.00	26.21
19961	CG			229	-103.030	5.721	18.827	1.00	26.12
19962	CD			229	-103.407	4.357	19.133	1.00	26.51
19963	C			229	-103.235	5.366	22.297	1.00	25.46
19964	0			229	-104.206	4.619	22.355		25.44
19965	N	TYR			-102.563	5.802	23.353	1.00	24.72
19966	CA			230	-102.862	5.379	24.705	1.00	23.40
19967	CB			230	-101.962	4.177	25.017	1.00	23.36
19968	CG	TYR	D	230	-102.160	3.472	26.344	1.00	22.61
19969	CD1	TYR	D	230	-102.622	2.147	26.394	1.00	22.13
19970	CE1	TYR	D	230	-102.777	1.497	27.585	1.00	20.23
19971	CZ	TYR	D	230	-102.459	2.164	28.763	1.00	20.96
19972	OH	TYR	D	230	-102.615	1.556	29.985	1.00	19.64
19973	CE2	TYR	D	230	-101.996	3.468	28.732	1.00	19.94
19974	CD2	TYR			-101.847	4.104	27.537	1.00	19.59
19975	C			230	-102.548	6.559	25.612	1.00	23.32
19976	0			230	-101.403	7.006	25.713	1.00	
19977	N	PRO			-103.554	7.097	26.272	1.00	23.36
19978	CA	PRO			-103.316	8.211	27.185	1.00	23.64
19979	CB	PRO		231	-104.667	8.905	27.264	1.00	22.98
19980	CG	PRO			-105.628	8.016	26.512	1.00	24.01
19981	CD			231	-104.969	6.708	26.228		23.69
19982	С	PRO	D	231	-102.936	7.662	28.562	1.00	24.12

FIGURE 3 OB

A	В	С	D	Е	F	G	H	I	J
19983	0	PRO	D	231	-103.731	6.996	29.240	1.00	24.04
19984	N	LYS	D	232	-101.693	7.905	28.944	1.00	24.54
19985	CA			232	-101.222	7.566	30.262	1.00	
19986	CB	LYS		232	-99.696	7.447	30.252	1.00	
19987	CG			232	-99.215	6.189	29.506		24.09
19988	CD	LYS		232	-97.715	6.177	29.268		23.88
19989	CE	LYS		232	-97.232	4.834	28.657		23.84
19990	NZ	LYS		232	-97.246	3.661	29.615	1.00	
19991	C	LYS		232	-101.735	8.666	31.182	1.00	25.31
19992	ŏ			232	-102.104	9.744	30.727		25.47
19993	N	ALA			-101.791	8.377	32.470		26.01
19994		ALA			-102.283	9.325	33.462		26.13
19995	CA CB	ALA			-102.263	8.877	34.834		25.92
19996	C	ALA			-101.795	10.740	33.220		26.28
19997	0	ALA			-101.793	10.740	33.220	1.00	25.80
19998	N			234	-102.724	11.667	33.021	1.00	
19999	CA	GLY		234	-102.359	13.054	32.846		27.38
20000	С			234	-102.013	13.518	31.438		28.02
20001	0			234	-101.698	14.693	31.241	1.00	28.33
20002	N			235	-102.064	12.621	30.465	1.00	28.27
20003	CA	ALA			-101.693	12.967	29.096	1.00	29.15
20004	CB	ALA			-101.160	11.740	28.350	1.00	28.71
20005	С	ALA			-102.931	13.463	28.422	1.00	30.05
20006	0	ALA			-104.018	13.432	29.016	1.00	30.41
20007	N	VAL			-102.806	13.893	27.169	1.00	30.38
20008	CA	VAL			-104.001	14.369	26.517	1.00	30.22
20009	CB	VAL			-103.722	15.366	25.346	1.00	30.88
20010	CG1	VAL			-103.802	14.675	24.009	1.00	31.62
20011	CG2	VAL			-102.401	16.090	25.552	1.00	30.21
20012	С	VAL			-104.842	13.177	26.125	1.00	30.03
20013	0	VAL			-104.346	12.157	25.637	1.00	30.27
20014	N	ASN			-106.134	13.324	26.349	1.00	30.09
20015	CA	ASN			-107.107	12.274	26.141	1.00	30.11
20016	CB	ASN	D	237	-108.166	12.387	27.241	1.00	29.80
20017	CG			237	-107.940	11.424	28.392	1.00	30.52
20018		ASN		237	-106.952	10.678	28.422	1.00	30.25
20019	ND2	ASN	D	237	-108.872	11.429	29.352	1.00	30.08
20020	С	ASN	D	237	-107.796	12.434	24.797	1.00	30.85
20021	0	ASN	D	237	-107.814	13.515	24.235	1.00	31.48
20022	N	PRO	D	238	-108.363	11.361	24.279	1.00	30.78
20023	CA	PRO	D	238	-109.156	11.441	23.069	1.00	31.29
20024	CB	PRO	D	238	-109.615	9.993	22.877	1.00	31.14
20025	CG	PRO	D	238	-109.534	9.419	24.278	1.00	31.07
20026	CD	PRO	D	238	-108.274	9.985	24.799	1.00	31.04
20027	C	PRO	D	238	-110.369	12.330	23.361	1.00	32.20
20028	0	PRO	D	238	-110.814	12.427	24.522	1.00	32.07
20029	N	THR	D	239	-110.874	13.017	22.344	1.00	32.48
20030	CA	THR	D	239	-112.070	13.809	22.548	1.00	32.85
20031	CB	THR	D	239	-111.966	15.207	21.951	1.00	32.83
20032	OG1	THR	D	239	-111.503	15.123	20.597	1.00	33.97
20033	CG2	THR	D	239	-110.909	16.031	22.676	1.00	31.34

FIGURE 3 OC

A	В	С	D	E		F		G		H	I	J
20034	С	mun	_	239		13.163	1.0	.024	0.1	.885	1 00	33.35
	0			239		12.897				.029	1.00	
20035								.187				34.01
20036	N	VAL				14.395		.269		.294	1.00	33.86
20037	CA	VAL				15.500		.513		.748	1.00	34.02
20038	CB	VAL				16.100		.566		.826	1.00	33.91
20039	CG1	VAL				17.224		.719		.255	1.00	32.87
20040	CG2	VAL				16.573		.356		.030	1.00	32.74
20041	С	VAL				16.582		.443		.231	1.00	34.58
20042	0			240		16.815		.520		.780	1.00	34.31
20043	N			241		17.222		.025		.154	1.00	35.43
20044	CA			241		18.380		.733		.648		37.05
20045	CB			241		18.088		1.372		.300	1.00	36.97
20046	CG			241		17.967		.870		.361	1.00	38.64
20047	CD			241		16.536		.337		.583	1.00	42.01
20048	CE			241		16.249		.594		.744	1.00	42.56
20049	NZ			241		16.606		.384		.306	1.00	41.46
20050	C	LYS	D	241		19.506		.727	19	.526	1.00	37.27
20051	0	LYS		241	-11	19.251		.540	19	.347	1.00	37.51
20052	N	PHE	D	242	-12	20.746	13	.194	19	.631	1.00	38.06
20053	CA	PHE	D	242	-12	21.895	12	.300	19	.539	1.00	38.80
20054	CB	PHE	D	242	-12	22.654	12	.258	20	.868	1.00	38.44
20055	CG	PHE	D	242	-12	23.665	11	.153	20	.943	1.00	37.10
20056	CD1	PHE	D	242	-12	23.261	9	.842	21	.131	1.00	36.86
20057	CE1	PHE	D	242	-12	24.193	8	.804	21	.184	1.00	35.84
20058	CZ	PHE	D	242	-12	25.535	9	.087	21	.051	1.00	35.22
20059	CE2	PHE	D	242	-12	5.947	10	.399		.856	1.00	35.00
20060	CD2	PHE	D	242	-12	25.015	11	.418		.796	1.00	35.38
20061	C	PHE	D	242	-12	22.837	12	.664	18	.388	1.00	39.90
20062	0	PHE	D	242	-12	23.058	13	.831	18	.097	1.00	40.25
20063	N	PHE	D	243	-12	3.406	11	.660	17	.738	1.00	41.32
20064	CA	PHE	D	243	-12	24.248	11	.917	16	.582	1.00	43.02
20065	CB	PHE	D	243	-12	3.416	11	.794	15	.279	1.00	43.24
20066	CG	PHE	D	243	-12	22.235	12	.736	15	.200	1.00	44.45
20067	CD1	PHE	D	243		0.989		.360		.705	1.00	45.86
20068	CE1	PHE		243	-11	19.893		.226		.635	1.00	45.64
20069	CZ	PHE	D	243	-12	20.037	14	.474	15	.050	1.00	46.41
20070	CE2			243		1.281		.857		.541	1.00	44.75
20071	CD2	PHE		243		22.364		.985		.616	1.00	43.97
20072	C			243		5.411		.938		.490	1.00	43.55
20073	ŏ			243		25.351		.839		.032	1.00	43.91
20074	N	VAL				6.477		.341		.810	1.00	44.19
20075	CA	VAL				7.517		374		.447	1.00	44.95
20076	CB	VAL				8.725		343		.413	1.00	44.90
20077	CG1	VAL				8.985		.706		.015	1.00	45.24
20078	CG2	VAL				29.953		.803		.706	1.00	44.23
20079	C	VAL				7.951		.583		.995	1.00	45.46
20080	0	VAL				8.018		.711		.503	1.00	45.39
20081	N	VAL		245		28.199		.490		.294	1.00	46.23
20082	CA	VAL				28.586		.601		.906	1.00	47.38
20083	CB			245		27.457		0.099		.966	1.00	47.64
20084		VAL				27.261		.594		.094		47.24
20004		111	_	210	14		,	. 5 5 4	11		1.00	1,.27

FIGURE 3 OD

A	В	С	D	E		F	G	H	I	J
20085	CG2	VAL	D	245	-127	733	9.503	9.517	1 00	47.82
20086	C	VAL			-129		8.834	11.671	1.00	48.10
20087	0	VAL			-130		7.766	12.252	1.00	47.57
20088	N	ASN		246	-130		9.401	10.849	1.00	49.41
20089	CA	ASN			-131		8.712	10.484		50.73
20090	CB	ASN			-133		9.699	10.034	1.00	50.45
20091	CG			246	-134		9.055	9.936	1.00	50.52
20092	OD1	ASN			-134		7.842	9.740	1.00	50.04
20093	ND2	ASN		246	-135		9.867	10.084	1.00	50.52
20094	С	ASN	D	246	-131	.702	7.738	9.368	1.00	51.63
20095	0	ASN	D	246	-131		8.147	8.259	1.00	52.34
20096	N	THR	D	247	-131	.831	6.450	9.649	1.00	52.85
20097	CA	THR	D	247	-131	.547	5.447	8.639	1.00	54.16
20098	CB	THR	D	247	-131	.096	4.137	9.282	1.00	54.08
20099	OG1	THR	D	247	-132	.190	3.562	10.006	1.00	53.60
20100	CG2	THR	D	247	-130	.025	4.401	10.339	1.00	54.01
20101	С	THR	D	247	-132	.746	5.168	7.751	1.00	55.42
20102	0	THR	D	247	-132	.698	4.272	6.901	1.00	55.55
20103	N	ASP	D	248	-133	.831	5.903	7.956	1.00	56.81
20104	CA	ASP	D	248	-135	.011	5.697	7.126	1.00	58.51
20105	CB	ASP	D	248	-136	.302	5.904	7.923	1.00	58.44
20106	CG	ASP	D	248	-136	.734	4.656	8.675	1.00	59.37
20107	OD1	ASP			-136		3.544	8.332	1.00	
20108	OD2		D	248	-137		4.699	9.625		60.59
20109	C	ASP		248	-134		6.649	5.944		59.26
20110	0	ASP			-135		6.444	4.941	1.00	59.45
20111	N			249	-134		7.682	6.062		60.19
20112	CA	SER		249	-134		8.689	5.017	1.00	60.95
20113	CB	SER		249	-134		10.050	5.586	1.00	60.84
20114	OG			249	-133		10.221	6.844		61.32
20115	С	SER		249	-132		8.750	4.371		61.45
20116	0			249	-132		9.829	4.013		61.57
20117	N			250	-132		7.597	4.233		61.85
20118	CA	LEU		250	-130		7.550	3.555		62.45
20119	CB	LEU		250	-129		6.313	3.962		62.30
20120	CG			250	-129		6.365	5.241		61.93
20121	CD1	LEU			-129		5.252	6.201		60.56
20122	CD2	LEU		250	-129		7.752	5.897 2.047	1.00	60.62
20123	C	LEU		250	-130		7.534 6.717		1.00	62.96
20124	-			250	-131			1.537	1.00	62.64
20125	N CA	SER		251	-130 -130		8.429 8.513	-0.110		64.43
20126	CB	SER		251	-130		9.960	-0.110		64.42
20127	OG	SER		251	-131		10.721	0.496		65.65
20128	C	SER			-129		7.995	-0.783		64.62
20123	0			251	-128		8.255	-0.783	1.00	64.77
20130	N			252	-129		7.281	-1.890		65.08
20131	CA	SER		252	-128		6.760	-2.641		65.27
20132	CB	SER		252	-128		5.782	-3.724	1.00	65.35
20134	OG			252	-129		4.846	-3.222		65.60
20135	C	SER			-127		7.921	-3.288		65.29
	-		-							

FIGURE 3 OE

A	В	С	D	Е	F	G	Н	I	J
20136	0	SER	D	252	-126.265	7.81	14 -3.610	1.00	65.25
20137	N	VAL			-128.148	9.04			65.23
20138	CA	VAL			-127.591	10.19			65.31
20139	CB	VAL			-128.521	10.63			65.51
20140	CG1	VAL	D	253	-129.757	11.32	9 -4.738	1.00	65.51
20141	CG2	VAL	D	253	-128.913	9.43			65.72
20142	C	VAL		253	-127.292	11.40			65.14
20143	ō	VAL		253	-127.042	12.50			65.12
20144	N	THR	D	254	-127.329	11.24	10 -1.963	1.00	64.89
20145	CA	THR	D	254	-126.983	12.35		1.00	64.61
20146	CB	THR	D	254	-128.189	13.27	77 -0.840	1.00	64.72
20147	OG1	THR	D	254	-128.277	13.57	75 0.559	1.00	65.14
20148	CG2	THR	D	254	-129.486	12.54	17 -1.126	1.00	65.20
20149	С	THR	D	254	-126.346	11.91	12 0.224	1.00	64.05
20150	0	THR	D	254	-126.770	10.92	9 0.830	1.00	64.17
20151	N	ASN	D	255	-125.316	12.63	39 0.647	1.00	63.32
20152	CA	ASN	D	255	-124.585	12.27	76 1.853	1.00	62.59
20153	CB	ASN	D	255	-123.325	13.13	37 2.017	1.00	62.76
20154	CG	ASN		255	-122.100	12.51		1.00	63.08
20155	OD1	ASN	D	255	-122.011	11.29	98 1.225	1.00	62.12
20156	ND2	ASN	D	255	-121.146	13.35	6 0.951	1.00	66.29
20157	С	ASN	D	255	-125.433	12.29	96 3.122	1.00	61.81
20158	0	ASN	D	255	-126.110	13.28		1.00	61.42
20159	N	ALA		256	-125.388	11.17			60.91
20160	CA	ALA		256	-126.077	11.02			59.91
20161	CB	ALA		256	-125.513	9.83			59.96
20162	C	ALA		256	-125.938	12.27			59.39
20163	0	ALA		256	-124.894	12.93			59.13
20164	N	THR		257	-126.997	12.61			58.66
20165	CA	THR			-126.920	13.77			58.14
20166	CB	THR			-128.047	14.7			58.28
20167	OG1	THR		257	-128.258	15.65			58.82
20168	CG2	THR		257	-129.378	14.04			58.70
20169	C	THR		257	-126.930	13.31			57.32
20170	0	THR			-127.872	12.68			57.48
20171	N	SER		258	-125.848	13.61			56.10
20172	CA	SER		258	-125.742	13.22			54.93
20173	CB	SER		258	-124.360	12.64			54.90
20174	OG	SER		258	-124.260	11.32			54.88
20175	C	SER		258	-126.005	14.44			54.33
20176 20177	0	SER		258 259	-125.424 -126.907	15.50			54.02
20177	N CA	ILE	D	259	-126.907	15.39			53.54
20178	CB	ILE		259	-127.223	15.35			53.01
20179	CG1		D	259	-120.711	15.42			53.18
20180	CD1			259	-129.396	16.47			52.80
20181	CG2	ILE	D	259	-129.184	16.48			52.69
20182	C	ILE	D	259	-129.040	15.24			52.78
20183	0	ILE	D	259	-126.330	14.20			52.70
20185	N		D	260	-125.577	16.28			52.39
20186	CA	GLN			-124.690	16.23			52.17
20100	011	STILL	D	200	124.030	10.20	10.400	1.00	52.11

FIGURE 3 OF

A	В	С	D	Е		F	G	Н	I	J
20187	CB	GLN	D	260	-123	464	17.128	16.296	1.00	52.18
20188	CG	GLN		260	-122.		16.735	17.200		52.37
20189	CD	GLN		260	-121.		17.750	17.197		53.04
20190	OE1	GLN		260	-121.		18.519	16.245		52.54
20191	NE2			260	-120.		17.761	18.267		52.48
20192	C			260	-125.		16.611	17.771		51.82
20193	0			260	-126.		17.616	17.832	1.00	51.67
20194	N	ILE		261	-125.		15.793	18.800	1.00	51.04
20195	CA	ILE		261	-125.		16.138	20.088	1.00	50.27
20196	CB	ILE		261	-126.		14.940	20.751	1.00	49.94
20197 20198	CG1 CD1	ILE		261 261	-127. -128.		14.372 13.668	19.846	1.00	49.61
20190	CG2	ILE		261	-127.		15.354	22.049		50.39
20200	C	ILE		261	-124.		16.668	20.905	1.00	50.03
20200	0	ILE		261	-123		15.946	21.222		50.14
20202	N			262	-124		17.949	21.221	1.00	49.68
20203	CA	THR			-123.		18.522	21.974	1.00	49.18
20204	CB	THR		262	-123.		20.049	21.885	1.00	49.33
20205	OG1	THR		262	-122		20.542	22.099	1.00	49.03
20206	CG2	THR			-124		20.653	23.044	1.00	49.98
20207	С			262	-123.		18.063	23.422	1.00	48.87
20208	0	THR	D	262	-124.	658	17.528	23.868	1.00	48.87
20209	N	ALA	D	263	-122.	553	18.281	24.146	1.00	47.91
20210	CA	ALA	D	263	-122.	459	17.867	25.527	1.00	47.07
20211	CB	ALA	D	263	-121.	045	17.352	25.827	1.00	46.67
20212	C			263	-122.		19.023	26.445	1.00	46.38
20213	0	ALA		263	-122.		20.183	26.116	1.00	46.72
20214	N	PRO		264	-123.		18.693	27.603	1.00	45.49
20215	CA	PRO		264	-123.		19.687	28.608	1.00	44.96
20216	CB			264	-123.		18.854	29.887	1.00	44.78
20217	CG			264	-124.		17.544	29.424	1.00	45.48
20218	CD	PRO		264	-123.		17.327	28.038	1.00	45.73
20219	C	PRO		264	-122.		20.706	28.767	1.00	44.18
20220	0	PRO		264	-121. -122.		20.364	28.782		43.79
20221	N CA			265 265	-122.		21.960	28.890	1.00	43.13
20222	CB			265	-122		24.338	29.347	1.00	42.62
20223	С	ALA		265	-121.		22.739	30.209	1.00	41.58
20225	ŏ	ALA		265	-119.		23.040	30.107	1.00	41.21
20226	N			266	-121.		22.155	31.291	1.00	40.80
20227	CA			266	-120.		21.887	32.486	1.00	40.09
20228	CB	SER		266	-121.		21.455	33.672	1.00	39.70
20229	OG	SER		266	-122		20.300	33.344	1.00	39.99
20230	C	SER		266	-119		20.850	32.207	1.00	39.33
20231	0	SER	D	266	-118		20.732	32.965	1.00	38.97
20232	N	MET	D	267	-119.	861	20.124	31.106	1.00	38.50
20233	CA	MET	D	267	-118.	891	19.159	30.633	1.00	38.27
20234	CB	MET	D	267	-119		18.030	29.889	1.00	37.83
20235	CG	MET	D	267	-120.		17.102	30.817	1.00	37.74
20236	SD	MET		267	-119.		16.089	31.788	1.00	39.60
20237	CE	MET	D	267	-120.	079	15.964	33.348	1.00	38.25

FIGURE 3 OG

A	В	C	D	Е		F		G		Н	I		J
20238	С	MET	D	267	-1	17.883	1	9.811	29	.700	1.0	0	38.44
20239	0	MET	D	267	-1	16.689	1	9.525	29	.750	1.0	0	38.63
20240	N	LEU	D	268	-13	18.368	2	0.700	28	.846	1.0	0	38.48
20241	CA	LEU	D	268	-13	17.510	2	1.337	27	.864	1.0	0	38.50
20242	CB	LEU	D	268	-1	18.349	2	2.071	2€	.820	1.0	0	38.67
20243	CG	LEU	D	268	-1	19.297	2	1.189		.016	1.0	0	38.57
20244	CD1	LEU	D	268	-1:	20.371		2.037	25	.344	1.0	0	38.62
20245	CD2	LEU		268		18.534		0.314		.997	1.0		37.83
20246	С	LEU	D	268		16.518		2.290		.483	1.0		38.46
20247	0	LEU		268		15.599		2.734		.817	1.0		38.96
20248	Ν	ILE	D	269		16.700		2.623		.751	1.0		38.42
20249	CA	ILE	D	269		15.759		3.521		.405	1.0		38.59
20250	CB	ILE		269		16.273		3.896		.798	1.0		38.86
20251	CG1	ILE		269		15.503		5.095		.348	1.0		40.56
20252	CD1	ILE		269		16.039		6.428		878	1.0		43.56
20253	CG2 C	ILE	D D	269 269		16.139 14.348		2.719		.745	1.0		40.22 37.84
20255	Ö	ILE		269		13.385		3.609		.794	1.0		38.38
20256	N	GLY	D	270		14.225		1.603		.249	1.0		36.77
20257	CA	GLY		270		12.932		0.932		.309	1.0		35.46
20258	C	GLY	D	270		12.956		9.568		.643	1.0		34.32
20259	ō	GLY		270		13.880		9.259		.891	1.0		34.07
20260	N	ASP		271		11.944		8.747		.903	1.0		33.67
20261	CA	ASP	D	271		11.924		7.389		.350	1.0		33.32
20262	CB	ASP	D	271		10.607		6.681		.681	1.0		33.79
20263	CG	ASP	D	271	-1	09.419	1	7.359	29	.086	1.0	00	35.02
20264	OD1	ASP	D	271	-1	08.276	1	6.885	29	.328	1.0	0	35.95
20265	OD2	ASP	D	271	-1	09.533	1	8.378	28	.366	1.0	0	37.23
20266	С	ASP	D	271		13.050		6.582		.971	1.0	0	32.51
20267	0	ASP	D	271		13.351		6.734		.161	1.0		32.49
20268	N	HIS	D	272		13.637		5.687		.197	1.0		31.91
20269	CA	HIS	D	272		14.741		4.884		.697	1.0		32.19
20270	CB	HIS		272		16.041		5.678		.568	1.0		32.11
20271	CG	HIS	D	272		16.228		6.270		.208	1.0		32.35
20272	ND1	HIS	D	272		15.644		7.463		.835	1.0		32.50
20273	CE1	HIS		272		15.948		7.718		.573	1.0		34.67
20274	NE2 CD2	HIS	D D	272 272		16.697		6.730 5.804		.113	1.0		33.22
		HIS		272		16.877 14.846		3.621		.862	1.0		32.29
20276 20277	C O	HIS	D D	272		14.846		3.449		.903	1.0		32.29
20277	N	TYR		273		15.778		2.750		.218	1.0		32.52
20279	CA	TYR		273		15.986		1.522		.475	1.0		33.29
20280	CB	TYR		273		15.498		0.302		.281	1.0		33.12
20281	CG	TYR	D	273		14.110		0.379		.864	1.0		31.73
20282	CD1	TYR		273		12.994		0.182		.067	1.0		30.36
20283	CE1	TYR		273		11.727		0.238		.590	1.0		31.17
20284	CZ	TYR		273		11.546		0.479		.938	1.0		29.98
20285	OH	TYR	D	273	-1	10.276	1	0.517	31	.445	1.0	0	28.23
20286	CE2	TYR	D	273		12.637		0.675	31	.767	1.0	0	30.64
20287	CD2			273		13.916		0.613		.225	1.0		31.15
20288	C	TYR	D	273	-1	17.464	1	1.296	28	.248	1.0	0	34.20

FIGURE 3 OH

A	В	С	D	Е		F		G	I	ł	I	J
20289	0	TYR	D	273	-1	18.31	2	11.815	28	.980	1.00	34.77
20290	N	LEU	D	274	-1	17.77	8	10.491	27	247	1.00	34.83
20291	CA	LEU	D	274	-1	19.13	9	10.032	27	.073	1.00	34.79
20292	CB	LEU	D	274	-1	19.46	1	9.828	25	.592	1.00	34.45
20293	CG	LEU	D	274	-1	20.75	6	9.043	25	.315	1.00	35.09
20294	CD1	LEU	D	274	-1	22.00	2	9.840	25	764	1.00	34.24
20295	CD2	LEU	D	274	-1	20.87	3	8.607	23	.841	1.00	34.39
20296	C	LEU	D	274	-1	19.10	6	8.702	27	808	1.00	35.39
20297	0	LEU	D	274	-1	18.33	5	7.821	27	.449	1.00	35.10
20298	N	CYS	D	275	-1	19.90	8	8.548	28	854	1.00	36.04
20299	CA	CYS	D	275		19.84		7.315		.628	1.00	36.43
20300	CB	CYS		275		19.62		7.592		.117	1.00	36.48
20301	SG	CYS		275		20.88		8.631		904	1.00	38.06
20302	С		D	275		21.02		6.383		437	1.00	36.83
20303	0	CYS		275		20.89		5.191		672	1.00	37.45
20304	N	ASP		276		22.17		6.895		.018	1.00	37.00
20305	CA	ASP	D	276		23.29		5.994		.803	1.00	37.55
20306	CB	ASP		276		24.03		5.739		.109	1.00	37.78
20307	CG	ASP		276		25.08		4.659		.975	1.00	39.17
20308	OD1	ASP		276		24.72		3.465		.035	1.00	41.65
20309	OD2	ASP		276		26.30		4.898		.807	1.00	42.31
20310	С	ASP		276		24.29		6.456		.750	1.00	37.47
20311	0	ASP		276		24.62		7.635		.660	1.00	37.06
20312	N	VAL		277		24.77		5.503		.962	1.00	37.44
20313	CA	VAL		277		25.80		5.772		.992	1.00	37.51
20314	CB	VAL		277		25.30		5.705		.530	1.00	37.76
20315 20316	CG1 CG2	VAL		277		26.31		6.388		.616	1.00	37.24
20316	C	VAL		277 277		26.90		4.728		.161	1.00	37.85
20317	Ö	VAL		277		26.65		3.525		.096	1.00	37.12
20319	N	THR		278		28.12		5.206		.395	1.00	38.53
20320	CA	THR		278		29.29		4.344		.496	1.00	39.41
20321	CB	THR		278		29.67		4.161		.975	1.00	39.65
20322	OG1	THR		278		28.60		3.517		.693	1.00	41.23
20323	CG2	THR		278		30.83		3.197		.100	1.00	38.74
20324	C	THR		278		30.49		4.969		761	1.00	40.15
20325	ō	THR		278		30.84		6.122		017	1.00	40.47
20326	N	TRP		279		31.11		4.232		846	1.00	40.72
20327	CA	TRP	D	279		32.34		4.720		.239	1.00	41.37
20328	CB	TRP	D	279		32.66		3.973		946	1.00	41.57
20329	CG	TRP	D	279		31.80		4.394	21	.810	1.00	42.65
20330	CD1		D	279		30.68		3.765		.342	1.00	42.53
20331	NE1	TRP	D	279	-1	30.15	8	4.465	20	.282	1.00	43.68
20332	CE2	TRP	D	279	-1	30.94	5	5.564	20	.041	1.00	44.02
20333	CD2	TRP	D	279	-1	31.99	3	5.547	20	.987	1.00	43.93
20334	CE3	TRP	D	279	-1	32.94	2	6.572	20	.950	1.00	45.59
20335	CZ3	TRP		279		32.82		7.564		.984	1.00	47.26
20336	CH2	TRP		279		31.76		7.550		.059	1.00	46.13
20337	CZ2	TRP		279		30.82		6.555		.070	1.00	44.83
20338	С	TRP		279		33.49		4.531		.235	1.00	
20339	0	TRP	D	279	-1	33.56	1	3.507	25	908	1.00	41.96

FIGURE 3 OI

A	В	С	D	E	F	G	H	I	J
20340	N	ALA	D	280	-134.372	5.521	25.332	1 00	41.41
20341	CA	ALA			-135.516	5.479	26.241	1.00	41.43
20342	CB	ALA			-135.746	6.848	26.825	1.00	41.35
20343	C	ALA			-136.768	5.024	25.496	1.00	41.92
20344	ō	ALA			-137.494	4.133	25.943	1.00	41.19
20345	N	THR			-137.005	5.671	24.356	1.00	42.20
20346	CA	THR			-138.124	5.376	23.486	1.00	42.77
20347	CB	THR			-139.229	6.414	23.659	1.00	42.73
20348	OG1	THR			-138.795	7.646	23.064	1.00	42.34
20349	CG2	THR	D	281	-139.449	6.762	25.122	1.00	42.31
20350	С	THR			-137.617	5.536	22.069	1.00	43.54
20351	0	THR	D	281	-136.468	5.946	21.853	1.00	43.78
20352	N	GLN	D	282	-138.494	5.252	21.106	1.00	43.58
20353	CA	GLN	D	282	-138.169	5.374	19.687	1.00	43.34
20354	CB	GLN	D	282	-139.431	5.195	18.845	1.00	43.27
20355	CG	GLN	D	282	-140.158	3.909	19.121	1.00	43.95
20356	CD	GLN	D	282	-139.309	2.709	18.820	1.00	44.66
20357	OE1	GLN	D	282	-138.206	2.849	18.278	1.00	47.30
20358	NE2	GLN	D	282	-139.802	1.522	19.170	1.00	43.65
20359	С	GLN	D	282	-137.590	6.725	19.355	1.00	42.89
20360	0	GLN	D	282	-136.854	6.873	18.389	1.00	42.72
20361	N	GLU			-137.924	7.720	20.158	1.00	42.79
20362	CA	GLU			-137.516	9.074	19.839	1.00	42.95
20363	CB	GLU			-138.734	9.865	19.349	1.00	43.48
20364	CG	GLU			-139.167	9.566	17.906	1.00	45.44
20365	CD	GLU			-140.418	10.348	17.491		48.85
20366	OE1	GLU			-141.304	9.755	16.816	1.00	49.34
20367	OE2	GLU			-140.522	11.551	17.845	1.00	46.90
20368	С	GLU			-136.835	9.811	20.986	1.00	42.50
20369	0	GLU			-136.660	11.021	20.926	1.00	42.35
20370	N	ARG			-136.450	9.086	22.031	1.00	42.30
20371	CA	ARG			-135.792	9.710	23.173	1.00	41.72
20372	CB	ARG			-136.735	9.763	24.368	1.00	42.06
20373	CG	ARG			-136.136	10.438	25.583	1.00	43.16
20374	CD	ARG			-137.154	10.734	26.671	1.00	45.69
20375	NE	ARG			-138.146	11.706	26.221		46.17
20376	CZ	ARG			-139.431	11.660	26.544	1.00	46.79
20377		ARG			-140.261	12.587	26.083	1.00	45.42
20378	NH2	ARG ARG			-139.886	10.691 8.990	27.335	1.00	46.32
20379	С				-134.514		23.568		40.91
20380	0	ARG		284	-134.515 -133.421	7.788 9.731	23.805	1.00	40.62
20381	N CA			285	-133.421	9.731	24.036	1.00	39.17
	CB			285	-131.208	9.053		1.00	
20383	CG1	ILE		285	-130.025	8.132	22.818	1.00	39.17
20385	CD1	ILE		285	-129.076	8.043	21.909	1.00	39.43
20385	CG2			285	-130.727	10.426	22.424	1.00	39.53
20380	C			285	-131.540	9.805	25.229	1.00	38.69
20388	Ö			285	-131.601	11.023	25.339	1.00	38.19
20389	N			286	-130.971	9.027	26.155	1.00	37.96
20390	CA			286	-130.228	9.644	27.246		37.07
_0000			_	_00	100.220	3.014		1.00	_ , ,

FIGURE 3 OJ

A	В	C	D	E	F	G	H	1	J
20391	CB			286	-130.787	9.287	28.631	1.00	36.91
20392	OG			286	-130.305	8.049	29.100	1.00	36.51
20393	C			286	-128.742	9.325	27.121	1.00	36.39
20394	0			286	-128.344	8.215	26.757	1.00	36.15
20395	N			287	-127.940	10.336	27.404	1.00	35.78
20396	CA	LEU			-126.498	10.248	27.327	1.00	35.18
20397	CB	LEU			-125.957	11.283	26.338	1.00	35.62
20398	CG	LEU			-125.957	11.077	24.822	1.00	35.97
20399	CD1	LEU			-126.134	12.431	24.182	1.00	36.47
20400	CD2	LEU			-127.031	10.140	24.357	1.00	36.95
20401	С			287	-125.994	10.652	28.683	1.00	34.51
20402	0	LEU			-126.520	11.597	29.279	1.00	34.09
20403	N	GLN			-124.984	9.944	29.177	1.00	33.47
20404	CA	GLN			-124.341	10.347	30.420	1.00	32.77
20405	CB	GLN			-124.354	9.230	31.461	1.00	33.02
20406	CG	GLN			-125.640	9.149	32.265	1.00	33.25
20407	CD	GLN			-125.781	7.848	33.036	1.00	33.72
20408	OE1	GLN			-126.381	6.890	32.546	1.00	34.15
20409	NE2	GLN			-125.253	7.818	34.247	1.00	34.08
20410	С	GLN			-122.924	10.786	30.121	1.00	32.53
20411	0	GLN			-122.161	10.118	29.412	1.00	32.11
20412	N			289	-122.580	11.937	30.656	1.00	32.67
20413	CA	TRP			-121.262	12.465	30.478	1.00	32.77
20414	CB			289	-121.336	13.869	29.878	1.00	32.94
20415	CG	TRP			-121.977	13.907	28.527	1.00	33.67
20416	CD1	TRP			-123.315	13.991	28.255	1.00	34.03
20417	NE1	TRP			-123.517	14.015	26.897	1.00	35.17
20418	CE2	TRP			-122.303	13.945	26.265	1.00	35.17
20419	CD2	TRP			-121.312	13.878	27.264	1.00	34.12
20420	CE3	TRP			-119.970	13.802	26.870	1.00	35.13
20421	CZ3	TRP			-119.670	13.792	25.519	1.00	35.56
20422	CH2	TRP			-120.683	13.851	24.550	1.00	35.24
20423	CZ2	TRP			-122.001	13.920	24.901	1.00	35.14
20424	С			289	-120.600	12.501	31.843	1.00	32.64
20425	0	TRP			-121.267	12.632	32.862	1.00	32.65
20426	N			290	-119.276	12.433	31.835	1.00	32.23
20427	CA	LEU			-118.480	12.396	33.035	1.00	31.50
20428	CB	LEU			-117.977	10.954	33.193	1.00	31.05
20429	CG			290	-117.433	10.401	34.510	1.00	31.54
20430	CD1	LEU			-116.676	9.076	34.307	1.00	
20431	CD2	LEU			-116.554	11.423	35.166	1.00	33.60
20432	С			290	-117.293	13.336	32.802	1.00	31.41
20433	0	LEU			-116.667	13.265	31.745	1.00	30.88
20434	N	ARG			-116.978	14.203	33.764	1.00	31.88
20435	CA	ARG			-115.771	15.045	33.667	1.00	32.91
20436	CB	ARG			-115.707	16.094	34.777	1.00	32.88
20437	CG	ARG			-116.716	17.216	34.692	1.00	35.43
20438	CD	ARG			-116.485	18.321	35.708	1.00	37.01
20439	NE	ARG			-117.415	19.416	35.493	1.00	41.05
20440	CZ	ARG			-117.945	20.154	36.461	1.00	42.21
20441	NH1	ARG	D	291	-118.791	21.128	36.159	1.00	41.92

FIGURE 3 OK

A	В	C	D	E		F	G	H	I	J
20442	*****	3.00	_	202	111		10.010	27.70		40 50
20442	NH2	ARG		291		7.630	19.919	37.72		
20443	C	ARG		291		1.535	14.167	33.82		
20444	0	ARG				1.645	13.026	34.26		
20445	N	ARG				3.363	14.723	33.51		
20446	CA	ARG				2.110	13.990	33.59		
20447	CB	ARG				986	14.716	32.85		
20448	CG	ARG				9.677	13.916	32.80		
20449	CD	ARG				3.648	14.447	31.83		
20450	NE	ARG		292		7.460	13.621	31.87		
20451	CZ	ARG				5.444	13.701	31.03		
20452	NH1	ARG				.420	12.880	31.18		
20453	NH2	ARG				5.445	14.600	30.04		
20454	С	ARG				1.774	13.762	35.06		
20455	0	ARG		292		1.109	12.787	35.43		
20456	N	ILE		293		2.217	14.686	35.89		
20457	CA	ILE		293		2.211	14.435	37.31		
20458	CB	ILE		293		2.136	15.741	38.07		
20459	CG1	ILE		293		732	16.327	37.87		
20460	CD1	ILE		293		0.643	17.819	38.09		
20461	CG2	ILE		293		2.359	15.518	39.55		
20462	С	ILE		293		3.535	13.701	37.44		
20463	0	ILE		293		1.598	14.297	37.34		
20464	N			294		3.466	12.385	37.59		
20465	CA	GLN		294		1.659	11.551	37.50		
20466	CB	GLN				1.275	10.138	37.02		
20467	CG	GLN		294		3.344	10.123	35.81		
20468	CD	GLN				2.862	8.725	35.44		
20469	OE1	GLN		294		3.610	7.741	35.56		
20470	NE2			294		1.624	8.633	35.01		
20471	С			294		5.556	11.475	38.74		
20472	0	GLN		294		5.094	10.409	39.05		32.15
20473	N	ASN		295		5.727	12.599	39.43		
20474	CA			295		5.619	12.665	40.58		
20475	CB			295		5.913	13.277	41.79		
20476	CG			295		5.469	14.704	41.53		
20477	OD1	ASN		295		5.681	15.248	40.44		
20478	ND2			295		1.846	15.320	42.54		
20479	С			295		7.848	13.507	40.26		
20480	0			295		3.524	13.998	41.17		
20481	N			296		3.137	13.664	38.97		
20482	CA	TYR		296		9.256	14.488	38.54		
20483	CB	TYR		296		3.833	15.954	38.57		
20484	CG			296		9.946	16.957	38.36		
20485	CD1			296		0.609	17.530	39.44		
20486	CE1			296		1.626	18.465	39.25		
20487	CZ			296		1.976	18.838	37.97		
20488	OH	TYR		296		2.980	19.757	37.78		
20489	CE2	TYR		296		1.324	18.285	36.88		
20490	CD2			296		314	17.356	37.08		
20491	С			296		9.709	14.127	37.13		
20492	0	TYR	D	296	-118	3.988	14.337	36.16	2 1.00	34.80

FIGURE 3 OL

A	В	С	D	Е		F	G	Н	I	J
20493	N	SER	D	297	-12	0.908	13.582	37.025	1.00	35.38
20494	CA	SER	D	297	-12	1.451	13.263	35.721	1.00	36.16
20495	CB	SER	D	297	-12	1.494	11.762	35.502	1.00	35.37
20496	OG	SER		297		2.413	11.168	36.377	1.00	35.55
20497	C	SER	D	297		2.849	13.858	35.561	1.00	37.14
20498	0	SER		297		3.520	14.191	36.538	1.00	37.05
20499	N			298		3.275	13.993	34.312	1.00	38.56
20500	CA	VAL				4.569	14.571	34.001	1.00	39.87
20501	CB	VAL		298		4.418	15.988	33.414	1.00	39.92
20502	CG1	VAL		298		3.878	16.937	34.446	1.00	39.22
20503	CG2		D	298		5.762	16.485	32.869	1.00	40.40
20504	C	VAL		298		5.279	13.735	32.960	1.00	40.81
20505	0	VAL		298		4.680	13.363	31.960	1.00	40.95
20506	N	MET	D	299		6.545	13.417	33.211	1.00	42.07
20507	CA	MET		299		7.357	12.754	32.209		43.04
20508	CB	MET		299		8.318	11.730	32.814	1.00	
20509 20510	CG	MET		299 299		9.343	11.197 9.940	31.808	1.00	
20510	SD	MET	D D	299		0.440	10.360	32.496 34.181	1.00	44.48
20512	C	MET		299		B.151	13.805	31.439	1.00	44.09
20512	0	MET	D	299		8.743	14.720	32.020	1.00	43.89
20513	N	ASP	D	300		8.134	13.662	30.122	1.00	45.17
20515	CA		D	300		8.873	14.510	29.221	1.00	46.32
20516	CB	ASP	D	300		7.955	15.027	28.120	1.00	46.52
20517	CG	ASP	D	300		7.772	16.516	28.173	1.00	47.88
20518	OD1	ASP	D	300		6.715	17.002	27.725	1.00	50.30
20519	OD2	ASP	D	300		8.635	17.287	28.628	1.00	50.64
20520	C		D	300		9.926	13.643	28.589	1.00	47.06
20521	ō	ASP	D	300		9.624	12.575	28.062	1.00	47.36
20522	N	ILE	D	301		1.170	14.090	28.641	1.00	48.02
20523	CA	ILE	D	301	-13	2.242	13.358	28.006	1.00	48.60
20524	CB	ILE	D	301	-13	3.408	13.185	28.991	1.00	48.50
20525	CG1	ILE	D	301	-13	2.894	12.408	30.212	1.00	48.51
20526	CD1	ILE	D	301	-13	3.961	11.793	31.083	1.00	48.21
20527	CG2	ILE	D	301	-13	4.562	12.441	28.345	1.00	48.06
20528	C	ILE	D	301		2.583	14.133	26.738	1.00	49.46
20529	0	ILE	D	301		2.856	15.328	26.786	1.00	49.71
20530	N	CYS	D	302		2.521	13.457	25.600	1.00	50.41
20531	CA	CYS	D	302		2.647	14.130	24.315	1.00	51.74
20532	CB	CYS	D	302		1.331	14.004	23.536	1.00	51.94
20533	SG	CYS	D	302		9.912	14.700	24.420	1.00	53.42
20534	C	CYS	D	302		3.813	13.662	23.463	1.00	52.24
20535	0		D	302		3.946	12.472	23.163	1.00	52.21
20536	N	ASP	D	303		4.642	14.619	23.061	1.00	53.09
20537	CA	ASP	D	303		7.057	14.334 15.022	22.271	1.00	54.23
20538 20539	CB CG	ASP	D D	303		7.524	14.344	22.887 24.169	1.00	54.39
20539	OD1	ASP	D	303		6.697	14.344	25.088	1.00	55.54
20541	OD2	ASP	D	303		8.692	13.945	24.347	1.00	54.11
20542	C	ASP		303		5.692	14.734	20.807	1.00	54.70
20543	o	ASP				5.141	15.778	20.474		54.30
	-		-		0.					

FIGURE 3 OM

A	В	C	D	E	F	G	H	1	J
00544		m	_						
20544	N	TYR			-136.200			1.00	56.01
20545	CA	TYR			-136.153			1.00	57.68
20546	CB	TYR			-136.262	12.906	17.695	1.00	57.57
20547	CG	TYR			-136.301		16.209	1.00	58.83
20548	CD1	TYR			-135.197		15.553	1.00	59.38
20549	CE1	TYR		304	-135.228		14.196	1.00	59.37
20550	CZ	TYR			-136.370		13.475	1.00	59.89
20551	OH	TYR			-136.397		12.118	1.00	59.96
20552	CE2	TYR		304	-137.480		14.102	1.00	59.92
20553	CD2	TYR			-137.445		15.462	1.00	59.06
20554	C	TYR		304	-137.267		18.109	1.00	58.63
20555 20556	N	TYR			-138.422	14.745	18.012	1.00	58.68
		ASP			-136.922	16.407	17.887		59.92
20557 20558	CA	ASP		305	-137.902 -137.400	17.361 18.795	17.395	1.00	61.44
	CB			305			17.523 17.065		
20559	CG OD1	ASP		305	-138.430			1.00	62.80
20560 20561	OD1	ASP		305	-138.633 -139.087		17.764	1.00	62.88
	OD2						16.012	1.00	63.63
20562 20563	C	ASP		305	-138.175 -137.269		15.938 15.113	1.00	61.97
		ASP							61.92
20564	N	GLU		306	-139.429		15.627	1.00	63.01
20565	CA	GLU			-139.767		14.310		
20566 20567	CB CG	GLU		306	-141.091 -141.119		14.356 13.434	1.00	64.23
20568		GLU		306			13.434	1.00	68.18
20569	CD OE1	GLU		306	-142.517 -143.390		14.101	1.00	68.46
20570	OE2	GLU		306	-142.739		12.216	1.00	68.71
20570	C	GLU		306	-139.802	17.239	13.222	1.00	64.19
20572	Ö	GLU			-139.649		12.045	1.00	64.14
20573	N	SER		307	-140.012	18.487	13.621	1.00	64.69
20574	CA	SER		307	-140.004		12.680	1.00	65.06
20575	CB	SER		307	-140.691		13.282	1.00	65.19
20576	OG	SER		307	-141.988		13.763	1.00	65.21
20577	C			307	-138.549		12.355	1.00	65.21
20578	0	SER			-138.081		11.258	1.00	65.60
20579	N	SER		308	-137.835		13.332	1.00	65.02
20580	CA	SER		308	-136.411		13.207	1.00	64.38
20581	CB	SER		308	-135.793		14.589	1.00	64.52
20582	OG			308	-135.747		14.902	1.00	65.23
20583	c			308	-135.606		12.489	1.00	63.76
20584	Ö	SER		308	-134.656		11.773	1.00	63.76
20585	N	GLY		309	-135.979		12.698	1.00	63.19
20586	CA	GLY			-135.275		12.100	1.00	62.51
20587	C	GLY		309	-134.091		12.959	1.00	62.07
20588	0	GLY			-133.438		12.696	1.00	62.28
20589	N	ARG			-133.826		13.997	1.00	61.04
20590	CA	ARG		310	-132.707		14.883	1.00	60.56
20591	CB	ARG		310	-131.809		14.970	1.00	61.19
20592	CG	ARG		310	-132.446		15.631	1.00	62.68
20593	CD	ARG			-131.544		15.652	1.00	65.34
20594	NE	ARG			-131.768			1.00	66.16

FIGURE 3 ON

A	В	C	D	E	F	G	H	I	J
20595	CZ	ARG	Б	310	-131.081	21.998	13.380	1.00	67.31
20596		ARG			-131.357	22.870	12.413	1.00	66.51
20596	NH1 NH2	ARG			-130.119	21.097	13.201	1.00	67.36
20598	C	ARG			-133.123	16.973	16.283	1.00	59.42
20599	0	ARG			-134.267	16.569	16.497	1.00	59.28
20600	N			311	-132.182	17.011	17.227	1.00	58.05
20601	CA	TRP		311	-132.417	16.522	18.586	1.00	56.38
20602	CB	TRP		311	-131.471	15.371	18.886	1.00	55.45
20603	CG	TRP	D	311	-131.778	14.187	18.077	1.00	51.45
20604	CD1	TRP		311	-131.477	13.993	16.772	1.00	48.75
20605	NE1	TRP		311	-131.945	12.771	16.353	1.00	48.27
20606	CE2	TRP		311	-132.569	12.155	17.404	1.00	47.06
20607	CD2	TRP		311	-132.488	13.027	18.505	1.00	47.70
20608	CE3	TRP		311	-133.062	12.631	19.711	1.00	44.75
20609	CZ3	TRP		311	-133.677	11.410	19.779	1.00	44.35
20610	CH2	TRP		311	-133.744	10.567	18.670	1.00	44.07
20611	CZ2	TRP		311	-133.197	10.921	17.473	1.00	45.46
20612	С	TRP		311	-132.254	17.579	19.658	1.00	56.90
20613	0	TRP		311	-131.300	18.362	19.636	1.00	56.98
20614	N	ASN		312	-133.177	17.596	20.615	1.00	56.96
20615	CA	ASN		312	-133.102	18.574	21.695	1.00	57.11
20616	CB	ASN		312	-134.315	19.508	21.671	1.00	57.41
20617	CG	ASN		312	-134.052	20.792	20.885	1.00	58.91
20618	OD1	ASN	D	312	-132.897	21.208	20.709	1.00	59.51
20619	ND2	ASN		312	-135.128	21.434	20.420	1.00	58.89
20620	C	ASN		312	-132.954	17.948	23.070	1.00	56.68
20621	0	ASN		312	-133.574	16.930	23.370	1.00	56.68
20622	N	CYS		313	-132.133	18.569	23.906	1.00	56.20
20623	CA	CYS		313	-131.908	18.078	25.255	1.00	55.75
20624	CB			313	-130.443	17.686	25.445	1.00	55.84
20625	SG	CYS	D	313	-129.763	16.705	24.092	1.00	55.50
20626	С			313	-132.268	19.163	26.246	1.00	55.52
20627	0			313	-131.425	19.987	26.599	1.00	55.53
20628	N	LEU		314	-133.519	19.162	26.694	1.00	55.08
20629	CA			314	-133.976	20.158	27.651	1.00	54.79
20630	CB	LEU	D	314	-135.447	19.942	28.018	1.00	55.02
20631	CG	LEU		314	-136.506	20.571	27.104	1.00	55.62
20632	CD1	LEU		314	-137.176	19.536	26.206	1.00	55.79
20633	CD2	LEU		314	-135.908	21.728	26.288	1.00	56.04
20634	С			314	-133.129	20.177	28.915	1.00	54.45
20635	0	LEU		314	-132.995	19.167	29.608	1.00	54.22
20636	N	VAL		315	-132.569	21.345	29.199	1.00	53.93
20637	CA	VAL		315	-131.762	21.569	30.386	1.00	53.93
20638	CB	VAL			-131.346	23.042	30.470	1.00	53.93
20639	CG1	VAL			-130.998	23.423	31.888	1.00	54.90
20640	CG2	VAL		315	-130.176	23.314	29.524	1.00	54.82
20641	С	VAL		315	-132.478	21.187	31.679	1.00	53.48
20642	0	VAL		315	-131.846	20.806	32.663	1.00	53.58
20643	N	ALA			-133.799	21.295	31.672	1.00	53.18
20644	CA			316	-134.602	20.967	32.837	1.00	52.74
20645	CB	ALA	D	316	-135.996	21.530	32.684	1.00	52.92

FIGURE 3 OO

A	В	C	D	E		F	G	H	I	J
00545	_		_							F0 0F
20646	C	ALA		316		1.666	19.460	33.03		52.37
20647	0	ALA		316		.096	18.972	34.07		52.77
20648	N	ARG		317		1.247	18.717	32.01		51.33
20649	CA	ARG		317		1.253	17.274	32.13		50.77
20650	CB	ARG		317		1.882	16.631	30.90		51.02
20651	CG	ARG		317		5.108	17.366	30.42		
20652	CD	ARG		317		7.318	16.497	30.19		53.70
20653	NE	ARG		317		7.391	15.960	28.84		
20654	CZ	ARG	D	317		3.480	16.017	28.08		54.06
20655	NH1	ARG		317		3.470	15.493	26.86		
20656	NH2	ARG		317		.579	16.600	28.54		
20657	С	ARG		317		.858	16.717	32.39		49.84
20658	0	ARG		317		.619	15.529	32.20		
20659	N	GLN	D	318		.942	17.577	32.83		48.91
20660	CA	GLN		318		.589	17.139	33.13		48.44
20661	CB	GLN		318		.603	18.306	33.09		48.44
20662	CG	GLN	D	318		3.828	18.456	31.79		48.19
20663	CD			318		7.857	19.628	31.82		48.03
20664	OE1	GLN	D	318		7.772	20.396	30.87		49.25
20665	NE2	GLN		318		7.131	19.774	32.93		48.01
20666	C	GLN		318		.544	16.478	34.51		48.18
20667	0	GLN		318		1.259	16.883	35.43		48.50
20668	N		D	319		713	15.455	34.64		46.99
20669	CA	HIS	D	319		576	14.803	35.93		46.42
20670	CB	HIS	D	319		.256	13.442	35.93		46.33
20671	CG	HIS	D	319		.735	13.531	35.74		47.19
20672	ND1	HIS	D	319		.617	13.596	36.80		47.10
20673	CE1	HIS	D	319		3.850	13.688	36.33		47.18
20674	NE2	HIS	D	319		3.799	13.696	35.01		47.10
20675	CD2	HIS	D	319		.487	13.612	34.62		47.64
20676	C	HIS	D	319	-128	3.118	14.714	36.33		45.70
20677	0	HIS	D	319	-127	7.283	14.184	35.59	8 1.00	45.25
20678	N	ILE	D	320		7.831	15.288	37.49		44.95
20679	CA	ILE	D	320		5.497	15.329	38.02	3 1.00	44.45
20680	CB	ILE	D	320		5.261	16.630	38.76		
20681	CG1	ILE	D	320	-126	5.225	17.804	37.79	6 1.00	44.89
20682	CD1	ILE	D	320		5.136	19.134	38.51	0 1.00	47.11
20683	CG2	ILE	D	320	-124	1.967	16.542	39.55	5 1.00	43.94
20684	С	ILE	D	320	-126	5.268	14.192	38.99	2 1.00	44.24
20685	0	ILE	D	320	-127	7.088	13.934	39.87	8 1.00	43.73
20686	N	GLU	D	321	-125	.144	13.516	38.80	1 1.00	43.70
20687	CA	GLU	D	321	-124	1.720	12.461	39.69	7 1.00	43.55
20688	CB	GLU	D	321	-124	1.890	11.095	39.05	1 1.00	43.54
20689	CG	GLU	D	321	-124	1.672	9.948	40.01	9 1.00	44.31
20690	CD	GLU	D	321	-124	1.872	8.607	39.35	6 1.00	44.06
20691	OE1	GLU	D	321	-125	.701	8.539	38.42	5 1.00	44.82
20692	OE2	GLU	D	321	-124	1.198	7.632	39.75	6 1.00	43.52
20693	С	GLU	D	321	-123	3.259	12.749	40.01	8 1.00	43.27
20694	0	GLU	D	321	-122	.401	12.727	39.14	1 1.00	43.00
20695	N	MET	D	322	-123	3.013	13.091	41.27	4 1.00	42.93
20696	CA	MET	D	322	-121	1.685	13.406	41.75	8 1.00	42.92

FIGURE 3 OP

A	В	C	D	E	F	G	H	1	J
20697	CB			322	-121.601	14.891	42.095	1.00	43.71
20698	CG			322	-122.219	15.230	43.448	1.00	46.97
20699	SD	MET			-122.326	17.005	43.743	1.00	55.22
20700	CE	MET		322	-123.151	17.545	42.282	1.00	52.68
20701	C	MET		322	-121.385	12.600	43.019	1.00	41.70
20702	0			322	-122.237	11.876	43.538	1.00	41.07
20703	N	SER			-120.154	12.722	43.486	1.00	40.83
20704	CA	SER			-119.723	12.116	44.737	1.00	40.38
20705	CB			323	-119.042	10.760	44.517	1.00	40.42
20706	OG			323	-118.401	10.332	45.706	1.00	41.01
20707	C			323	-118.757	13.073	45.407	1.00	39.86
20708	0			323	-117.988	13.763	44.747	1.00	39.03
20709	N	THR			-118.806	13.115	46.728	1.00	39.80
20710	CA CB	THR			-117.933 -118.738	13.991 14.687	47.480	1.00	39.64
		THR					48.567		
20712	OG1	THR			-119.514	13.702	49.269	1.00	41.35
20713	CG2	THR			-119.809 -116.840	15.607	47.921	1.00	41.21
20714	C	THR			-115.885	13.185 13.748	48.123 48.634	1.00	38.69
20716	N	THR			-116.988	11.865	48.113	1.00	37.53
20716		THR			-115.988	10.993	48.729	1.00	
20717	CA CB	THR			-116.679	9.974	49.665	1.00	36.20
20718	OG1	THR			-117.738	9.296	48.968	1.00	34.46
20720	CG2	THR			-117.736	10.688	50.802	1.00	36.13
20721	C	THR			-115.165	10.236	47.708	1.00	35.74
20721	0	THR			-114.194	9.591	48.069	1.00	35.67
20723	N	GLY			-115.542	10.292	46.436	1.00	34.80
20724	CA	GLY			-114.782	9.552	45.447	1.00	34.05
20725	C	GLY			-115.213	9.764	44.014	1.00	33.13
20726	ŏ	GLY			-115.473	10.883	43.595	1.00	33.76
20727	N	TRP		327	-115.278	8.686	43.253	1.00	32.05
20728	CA	TRP			-115.703	8.779	41.856	1.00	31.00
20729	CB	TRP			-114.857	7.848	40.999	1.00	30.19
20730	CG	TRP			-114.915	6.432	41.450	1.00	
20731	CD1	TRP			-115.692	5.446	40.930	1.00	
20732	NE1	TRP		327	-115.468	4.266	41.598	1.00	27.93
20733	CE2	TRP	D	327	-114.541	4.480	42.585	1.00	
20734	CD2	TRP	D	327	-114.166	5.830	42.519	1.00	27.33
20735	CE3	TRP	D	327	-113.220	6.301	43.437	1.00	27.06
20736	CZ3	TRP	D	327	-112.683	5.415	44.363	1.00	24.99
20737	CH2	TRP	D	327	-113.075	4.090	44.402	1.00	24.28
20738	CZ2	TRP	D	327	-114.006	3.601	43.525	1.00	27.40
20739	C	TRP	D	327	-117.184	8.419	41.732	1.00	30.82
20740	0	TRP	D	327	-117.816	8.040	42.716	1.00	30.21
20741	N	VAL	D	328	-117.746	8.538	40.534	1.00	30.73
20742	CA	VAL			-119.154	8.176	40.359	1.00	30.65
20743	CB	VAL	D	328	-119.951	9.245	39.588	1.00	31.06
20744	CG1	VAL		328	-119.170	9.744	38.408	1.00	32.04
20745	CG2	VAL		328	-121.314	8.693	39.146	1.00	31.44
20746	С	VAL		328	-119.312	6.813	39.711	1.00	30.16
20747	0	VAL	D	328	-118.665	6.510	38.732	1.00	30.08

FIGURE 3 OQ

A	В	С	D	E	F	G	H	I	J
20748	N	GLY	D	329	-120.186	5.987	40.274	1.00	30.55
20749	CA	GLY		329	-120.400	4.643	39.775	1.00	30.09
20750	C	GLY			-119.382	3.717	40.402		29.88
20751	ō	GLY			-118.482	4.163	41.079	1.00	29.62
20752	N	ARG			-119.529	2.421	40.190	1.00	30.44
20753	CA	ARG			-118.546	1.486	40.709	1.00	31.33
20754	CB	ARG			-119.112	0.062	40.728	1.00	31.52
20755	CG	ARG			-120.301	-0.028	41.688	1.00	34.59
20756	CD	ARG			-120.522	-1.386	42.369	1.00	36.97
20757	NE	ARG			-121.713	-1.953	41.798	1.00	40.76
20758	CZ	ARG			-122.793	-2.312	42.475	1.00	40.18
20759	NH1	ARG			-123.830	-2.786	41.799	1.00	40.28
20760	NH2	ARG			-122.828	-2.238	43.798	1.00	37.97
20761	C	ARG			-117.284	1.636	39.864	1.00	31.13
20762	ō	ARG			-116.205	1.879	40.394	1.00	30.90
20763	N	PHE		331	-117.454	1.558	38.548	1.00	31.06
20764	CA	PHE		331	-116.374	1.766	37.602	1.00	31.27
20765	CB			331	-116.087	0.487	36.823	1.00	30.73
20766	CG	PHE		331	-115.403	-0.544	37.647	1.00	29.04
20767	CD1	PHE		331	-114.038	-0.506	37.807	1.00	26.39
20768	CE1	PHE		331	-113.394	-1.437	38.585	1.00	26.15
20769	CZ	PHE		331	-114.124	-2.394	39.256	1.00	24.63
20770	CE2			331	-115.499	-2.430	39.114		26.77
20771	CD2	PHE		331	-116.132	-1.501	38.324	1.00	
20772	C			331	-116.749	2.890	36.664	1.00	32.13
20773	ō			331	-115.879	3.477	36.007	1.00	31.91
20774	N	ARG			-118.054	3.171	36.627	1.00	32.56
20775	CA	ARG			-118.651	4.236	35.823	1.00	33.59
20776	CB	ARG			-118.594	3.913	34.328	1.00	33.84
20777	CG	ARG			-119.441	2.731	33.895	1.00	35.39
20778	CD	ARG			-119.112	2.215	32.492	1.00	40.50
20779	NE	ARG			-118.171	1.088	32.510	1.00	44.31
20780	CZ	ARG			-116.870	1.169	32.764	1.00	44.10
20781	NH1	ARG	D	332	-116.299	2.332	33.022	1.00	44.56
20782	NH2	ARG	D	332	-116.135	0.069	32.762	1.00	45.36
20783	С	ARG	D	332	-120.109	4.435	36.233	1.00	34.05
20784	0	ARG	D	332	-120.723	3.563	36.855	1.00	33.55
20785	N	PRO	D	333	-120.662	5.598	35.912	1.00	34.68
20786	CA	PRO	D	333	-122.069	5.862	36.203	1.00	34.94
20787	CB	PRO	D	333	-122.335	7.136	35.409	1.00	35.03
20788	CG	PRO	D	333	-121.037	7.855	35.513	1.00	34.75
20789	CD	PRO	D	333	-119.997	6.769	35.314	1.00	34.69
20790	C	PRO	D	333	-122.946	4.706	35.747	1.00	35.45
20791	0	PRO	D	333	-122.688	4.066	34.737	1.00	35.18
20792	N	SER		334	-123.960	4.403	36.539	1.00	36.54
20793	CA	SER		334	-124.877	3.333	36.206	1.00	37.66
20794	CB	SER			-125.754	2.999	37.404	1.00	37.96
20795	OG	SER		334	-126.055	1.611	37.410	1.00	40.76
20796	С			334	-125.771	3.720	35.025	1.00	38.00
20797	0	SER			-125.977	4.901	34.737	1.00	37.76
20798	N	GLU	D	335	-126.302	2.711	34.354	1.00	38.11

FIGURE 3 OR

A	В	C	D	Е	F	G	Н	I	J
20799	CA	GLU	D	335	-127.172	2.939	33.225	1.00	38.83
20800	CB	GLU	D	335	-126.944	1.848	32.169	1.00	39.12
20801	CG	GLU		335	-127.591	0.498	32.460	1.00	39.81
20802	CD	GLU			-126.907	-0.270	33.582	1.00	42.25
20803	OE1	GLU			-125.751	0.067	33.959	1.00	42.39
20804	OE2	GLU		335	-127.537	-1.220	34.092	1.00	42.00
20805	C	GLU		335	-128.647	2.999	33.649	1.00	39.02
20806	0	GLU		335	-129.097	2.264	34.537	1.00	38.91
20807	N	PRO			-129.416	3.857	32.996	1.00	39.27
20808	CA	PRO			-130.832	4.004	33.339	1.00	39.37
20809	CB	PRO		336	-131.230	5.306	32.641	1.00	39.23
20810	CG	PRO		336	-130.280	5.445	31.511	1.00	39.21
20811	CD	PRO		336	-129.014 -131.668	4.724 2.885	31.878	1.00	39.11
20812	0	PRO		336	-131.868	2.885	31.712	1.00	39.43
20813	N	HIS	D	337	-132.711	2.509	33.505	1.00	40.02
20814	CA			337	-132.711	1.581	33.002	1.00	40.02
20815	CB	HIS		337	-133.788	0.347	33.889	1.00	39.87
20817	CG	HIS			-132.543	-0.481	33.843	1.00	39.02
20818		HIS		337	-132.445	-1.640	33.106	1.00	38.52
20819	CE1		D	337	-131.227	-2.136	33.223	1.00	36.68
20820	NE2			337	-130.525	-1.329	33.992	1.00	36.50
20821	CD2			337	-131.320	-0.279	34.385	1.00	37.82
20822	C	HIS			-135.009	2.353	32.920	1.00	40.66
20823	0	HIS		337	-135.621	2.685	33.935	1.00	41.07
20824	N	PHE		338	-135.405	2.675	31.693	1.00	41.13
20825	CA	PHE		338	-136.603	3.464	31.431	1.00	41.27
20826	CB	PHE		338	-136.482	4.185	30.079	1.00	40.88
20827	CG	PHE	D	338	-135.505	5.331	30.083	1.00	39.25
20828	CD1	PHE	D	338	-134.185	5.135	29.723	1.00	36.83
20829	CE1	PHE	D	338	-133.297	6.175	29.725	1.00	35.88
20830	CZ	PHE	D	338	-133.709	7.434	30.093	1.00	37.30
20831	CE2	PHE	D	338	-135.023	7.652	30.441	1.00	37.67
20832	CD2	PHE	D	338	-135.915	6.602	30.432	1.00	38.38
20833	С	PHE		338	-137.887	2.653	31.436	1.00	42.05
20834	0			338	-137.921	1.475	31.058	1.00	42.03
20835	N	THR		339	-138.956	3.301	31.872	1.00	43.22
20836	CA	THR		339	-140.281	2.714	31.779	1.00	44.21
20837	CB	THR		339	-141.266	3.557	32.566	1.00	44.18
20838	OG1	THR		339	-140.957	4.942	32.356	1.00	45.08
20839	CG2	THR		339	-141.018	3.391	34.056	1.00	44.83
20840	C	THR		339	-140.621	2.769	30.300	1.00	44.64
20841	0	THR			-140.049	3.565	29.565	1.00	44.48
20842	N	LEU	D	340	-141.544	1.929	29.859 28.451	1.00	45.84
20843	CA	LEU		340 340	-141.910 -143.196	1.885	28.451	1.00	46.69 46.97
20844	CB CG		D	340	-143.196	0.251	26.250	1.00	46.97
20845	CD1	LEU		340	-143.203	-1.233	26.964	1.00	48.22
20846	CD2	LEU	D	340	-142.944	0.783	25.975	1.00	47.97
20848	C	LEU		340	-142.162	3.280	27.841	1.00	46.96
20849	0	LEU			-141.341	3.626	26.890		47.27
20093	_	الانت	D	540	141.341	5.020	20.030	1.00	11.21

FIGURE 3 OS

A	В	С	D	E		F		G	Н		I	J
20850	N	ASP	D	341	-1	42.942		4.086	28.4	02	1.00	47.11
20851	CA	ASP	D	341		43.190		5.430	27.8		1.00	47.34
20852	CB	ASP	D	341	-1	44.350)	6.100	28.6	32	1.00	47.48
20853	CG	ASP	D	341		44.042		6.333	30.0		1.00	49.18
20854	OD1	ASP	D	341		45.000		6.577	30.8		1.00	49.68
20855	OD2	ASP	D	341		42.878		6.292	30.5		1.00	50.47
20856	C	ASP	D	341		41.972		6.331	27.9		1.00	46.95
20857	0	ASP		341		41.967		7.411	27.3		1.00	47.08
20858	N			342		40.960		5.910	28.7		1.00	46.48
20859	CA	GLY				39.740		6.683	28.8		1.00	45.70
20860	С		D	342		.39.868		7.998	29.5		1.00	45.41
20861	0	GLY		342		39.019		8.880	29.4		1.00	45.37
20862	N	ASN		343		40.917		8.159	30.3		1.00	45.22
20863	CA	ASN		343		.41.043		9.411	31.1		1.00	44.83
20864	CB	ASN		343		42.503		9.846	31.2		1.00	45.19
20865	CG	ASN		343		43.140		10.063	29.8		1.00	46.90
20866	OD1	ASN	D	343		42.536		10.666	28.9		1.00	48.47
20867	ND2	ASN		343		44.363		9.564	29.6		1.00	48.14
20868	C	ASN		343		40.353		9.333	32.4		1.00	43.86
20869 20870	N	ASN		343 344		40.230		8.149	33.2		1.00	43.78
20870	CA	SER		344		.39.891		8.149	34.0		1.00	42.81
20871	CB	SER				.40.093		7.952	35.2		1.00	41.77
20872	OG	SER		344		41.020		6.891	35.1		1.00	42.32
20873	C	SER		344		.38.243		6.800	33.9		1.00	41.77
20875	0	SER		344		.38.322		6.038	32.9		1.00	41.99
20876	N	PHE	D	345		.37.370		6.627	34.9		1.00	41.31
20877	CA		D			36.408		5.538	34.8		1.00	40.19
20878	CB	PHE	D	345		.35.244		5.900	33.9		1.00	39.91
20879	CG	PHE		345		34.382		7.017	34.4		1.00	38.04
20880	CD1			345		33.315		6.760	35.3		1.00	37.16
20881	CE1	PHE		345		32.519		7.787	35.7		1.00	36.17
20882	CZ	PHE	D	345	-1	32.778	3	9.077	35.3	92	1.00	34.87
20883	CE2	PHE	D	345	-1	33.830)	9.339	34.5	45	1.00	35.78
20884	CD2	PHE	D	345	-1	34.622		8.319	34.0	92	1.00	35.52
20885	С	PHE	D	345	-1	35.865	,	5.134	36.2	47	1.00	40.24
20886	0	PHE	D	345	-1	36.029)	5.839	37.2	47	1.00	39.97
20887	N	TYR	D	346	-1	35.213	3	3.974	36.2	46	1.00	40.03
20888	CA	TYR	D	346	-1	34.591		3.418	37.4	13	1.00	40.01
20889	CB	TYR	D	346	-1	.35.129)	2.016	37.6	56	1.00	40.29
20890	CG	TYR		346		36.615		1.958	37.9		1.00	41.07
20891	CD1	TYR		346		.37.119		2.044	39.1		1.00	39.92
20892	CE1	TYR		346		.38.467		1.984	39.4		1.00	42.29
20893	CZ	TYR		346		39.342		1.837	38.3		1.00	43.21
20894	OH	TYR		346		40.693		1.778	38.6		1.00	42.09
20895	CE2	TYR		346		38.865		1.752	37.0		1.00	42.81
20896	CD2	TYR		346		.37.511		1.809	36.8		1.00	41.55
20897	С	TYR		346		.33.087		3.327	37.1		1.00	40.23
20898	0	TYR		346		32.629		3.013	36.0		1.00	39.81
20899	N	LYS		347		32.318		3.632	38.2		1.00	39.63
20900	CA	LIS	D	347	-1	30.878	5	3.421	38.1	ю/	1.00	39.76

FIGURE 3 OT

20901 CB	A	В	С	D	E	F	G	H	I	J
20902 CG	20901	CB	LYS	D	347	-130.147	4.386	37.211	1.00	39.79
20090										
20904 CE										
20996 C										
20906 C	20905	NZ	LYS	D						
20990										
20090										
20990 CA ILE D 348										
20910 CB ILE D 348										
20911 CG1 ILE D 348			ILE	D						
20912 CD1 ILE D 348										
20913 CG LIE D 348										
20914 C										
20915 O. ILE D 348 -126.674 3.938 40.337 1.00 39.14										
20917 CA ILE D 349				D						
20917 CA ILE D 349	20916	N	ILE	D	349	-127.734	4.257	42.302	1.00	38.29
20918 CB ILE D 349 -127.530 6.679 42.605 1.00 38.25		CA	ILE	D						
20919 CGI ILE D 349 -128.665 6.828 43.923 1.00 38.68										
20920 CDI ILE D 349 -129.020 8.269 43.923 1.00 39.44										
20921 CG2 ILE D 349 -128.003 6.898 41.177 1.00 38.73										
20922 C										
20925 CA SER D 350 -125.188 5.486 46.133 1.00 37.75										
20924 N										
20926 CA SER D 350 -125.188 5.486 46.133 1.00 37.43										
20926 CB SER D 350 -123.757 5.952 46.324 1.00 37.24										
20928 C SER D 350 -123.712 7.367 46.324 1.00 39.73										
20928 C SER D 350 -126.163 6.328 46.922 1.00 36.70										
20929 0 SER D 350 -126.408 7.479 46.562 1.00 36.34										
20930 N										
20931 CA										
20934 CB ASN D 351 -128.791 5.650 49.423 1.00 35.93										
20934 CI										
20935 ND ASN D 351 -129.109 3.725 50.866 1.00 33.75 20936 C ASN D 351 -127.004 7.40 49.798 1.00 36.80 20937 O ASN D 351 -125.790 7.622 49.724 1.00 36.80 20939 C GUD D 352 -127.775 7.933 50.736 1.00 37.42 20940 CB GUD D 352 -128.349 9.455 51.720 11.00 39.24 20941 CB GLU D 352 -128.349 9.455 52.568 1.00 39.24 20943 CB GLU D 352 -128.349 8.502 53.600 1.00 42.95 20943 CB GLU D 352 -129.651 7.298 52.992 1.00 47.08 20945 C GLU D 352										
20935 NDZ ASN D 351 -129.109 3.725 50.866 1.00 33.75										
20936 C ASN D 351 -127.004 7.410 49.798 1.00 36.80 20937 O ASN D 351 -125.790 7.622 49.724 1.00 36.43 20938 N GLU D 352 -127.735 7.933 50.736 1.00 36.43 20939 CA GLU D 352 -127.230 8.849 51.720 1.00 38.62 20941 CG GLU D 352 -128.946 8.502 52.560 1.00 42.95 20942 CD GD GLU D 352 -129.651 7.298 52.982 1.00 47.08 20943 OEI GLU D 352 -129.544 6.204 53.585 1.00 47.83 20944 OE2 GLU D 352 -126.189 8.181 52.612 1.00 48.18 20945 C GLU D 352 -125.279 8.840 53.104 1.00 38.32 20947 N GLU D 353 -126.130 6.871 52.795	20935	ND2	ASN	D	351		3.725	50.866	1.00	33.75
20937 O ASN D 351 -125.790 7.622 49.724 1.00 36.43 20938 N GUD 352 -127.775 7.933 50.736 1.00 37.42 20940 CB GUD 352 -127.230 8.849 51.720 1.00 38.62 20941 CB GUD 352 -128.349 9.455 52.568 1.00 39.24 20942 CB GUD 352 -128.946 8.502 53.600 1.00 47.08 20943 CB GUD 352 -129.651 7.298 52.982 1.00 47.08 20944 OE2 GUD 352 -129.651 7.429 53.585 1.00 47.08 20945 C GUD 352 -126.189 8.181 52.612 1.00 48.18 20946 O GUD 352 -125.279 8.840 53.104 1.00 38.32 20947 N GUD 353 -126.310 6.871 52.795 1.00 37.68 </td <td>20936</td> <td>С</td> <td>ASN</td> <td>D</td> <td></td> <td></td> <td>7.410</td> <td>49.798</td> <td></td> <td></td>	20936	С	ASN	D			7.410	49.798		
20939 CA GLU D 352 -127.230 8.849 51.720 1.00 38.62 20940 CB GLU D 52 -128.349 9.455 52.568 1.00 39.24 20941 CG GLU D 352 -128.946 8.502 53.600 1.00 42.95 20943 OEI GLU D 352 -129.544 6.204 53.585 1.00 47.08 20945 OE GLU D 352 -126.189 8.181 52.612 1.00 48.18 20946 O GLU D 352 -126.189 8.181 52.612 1.00 48.18 20947 N GLU D 352 -125.279 8.840 53.104 1.00 38.32 20947 N GLU D 353 -126.310 6.871 52.795 1.00 37.08 20948 CA GLU D 353	20937	0	ASN	D	351		7.622	49.724	1.00	36.43
20939 CA GLU D 352 -127.230 8.849 51.720 1.00 38.62 20940 CB GLU D 52 -128.349 9.455 52.568 1.00 39.24 20941 CG GLU D 352 -128.946 8.502 53.600 1.00 42.95 20943 OEI GLU D 352 -129.544 6.204 53.585 1.00 47.08 20945 OE GLU D 352 -126.189 8.181 52.612 1.00 48.18 20946 O GLU D 352 -126.189 8.181 52.612 1.00 48.18 20947 N GLU D 352 -125.279 8.840 53.104 1.00 38.32 20947 N GLU D 353 -126.310 6.871 52.795 1.00 37.08 20948 CA GLU D 353	20938	N	GLU	D	352	-127.775	7.933	50.736	1.00	37.42
20940 CB GLU D 352 -128.349 9.455 52.568 1.00 39.24 20941 CB GLU D 352 -128.946 8.502 53.600 1.00 42.95 20943 CB CB GLU D 352 -129.544 6.204 53.595 1.00 47.83 20944 CB GLU D 352 -129.544 6.204 53.595 1.00 47.83 20945 C GLU D 352 -126.189 8.181 52.612 1.00 38.18 20947 N GLU D 352 -125.279 8.840 53.104 1.00 38.32 20947 N GLU D 353 -126.310 6.871 52.795 1.00 37.20 20949 CB GLU D 353 -126.313 6.154 53.668 1.00 37.20 20949 CB GLU D	20939	CA	GLU	D		-127.230	8.849	51.720		38.62
20941 CG GLU D 352 -128.946 8.502 53.600 1.00 42.95 20942 CD GLU D 352 -129.544 6.204 53.585 1.00 47.08 20944 OE2 GLU D 352 -129.544 6.204 53.585 1.00 47.08 20945 C GLU D 352 -126.189 8.181 52.612 1.00 38.18 20946 O GLU D 352 -125.279 8.840 53.104 1.00 38.32 20947 N GLU D 353 -125.279 8.840 53.049 1.00 37.20 20948 CA GLU D 353 -126.138 5.092 54.501 1.00 37.92 20949 CB GLU D 353 -126.138 5.092 54.501 1.00 37.96 20950 CG GLU D 353	20940	CB	GLU	D	352	-128.349	9.455		1.00	39.24
20942 CD GLU D 352 -129.651 7.298 52.982 1.00 47.08	20941	CG	GLU	D			8.502		1.00	42.95
20944 OEZ GLU D 352 -126.189 8.181 52.612 1.00 48.18 20945 C GLU D 52 -126.189 8.181 52.612 1.00 38.18 20946 O GLU D 352 -125.279 8.840 53.104 1.00 38.32 20947 N GLU D 353 -126.310 6.871 52.795 1.00 37.68 20948 CA GLU D 353 -125.397 6.154 53.658 1.00 37.96 20950 CB GLU D 353 -126.138 5.092 54.501 1.00 37.96 20950 CB GLU D 353 -127.264 4.362 53.789 100 41.29	20942	CD	GLU	D				52.982	1.00	
20944 OEZ GLU D 352 -126.189 8.181 52.612 1.00 48.18 20945 C GLU D 52 -126.189 8.181 52.612 1.00 38.18 20946 O GLU D 352 -125.279 8.840 53.104 1.00 38.32 20947 N GLU D 353 -126.310 6.871 52.795 1.00 37.68 20948 CA GLU D 353 -125.397 6.154 53.658 1.00 37.96 20950 CB GLU D 353 -126.138 5.092 54.501 1.00 37.96 20950 CB GLU D 353 -127.264 4.362 53.789 100 41.29	20943	OE1	GLU	D	352	-129.544	6.204	53.585	1.00	47.83
20945 C GLU D 352 -126.189 8.181 52.612 1.00 38.18 20947 N GLU D 353 -125.279 8.840 53.104 1.00 38.32 20947 N GLU D 353 -126.310 6.871 52.795 1.00 37.68 20948 CA GLU D 353 -125.397 6.154 53.658 1.00 37.20 20949 CB GLU D 353 -126.138 5.092 54.501 1.00 37.96 20950 CB GLU D 353 -127.264 4.362 53.789 1.00 41.29	20944	OE2	GLU	D			7.442	51.911	1.00	
20946 O GLU D 352 -125.279 8.840 53.104 1.00 38.32 20947 N GLU D 353 -126.310 6.871 52.795 1.00 37.68 20948 CA GLU D 353 -125.397 6.154 53.658 1.00 37.20 20949 CB GLU D 353 -126.138 5.092 54.501 1.00 37.96 20950 CG GLU D 353 -127.264 4.362 53.789 1.00 41.29	20945	С	GLU	D	352		8.181	52.612		
20947 N GLU D 353 -126.310 6.871 52.795 1.00 37.68 20948 CA GLU D 353 -125.397 6.154 53.658 1.00 37.20 20949 CB GLU D 353 -126.138 5.092 54.501 1.00 37.96 20950 CB GLU D 353 -127.264 4.362 53.789 1.00 41.29			GLU	D						
20948 CA GLU D 353 -125.397 6.154 53.658 1.00 37.20 20949 CB GLU D 353 -126.138 5.092 54.501 1.00 37.96 20950 CG GLU D 353 -127.264 4.362 53.789 1.00 41.29	20947	N	GLU	D					1.00	
20949 CB GLU D 353 -126.138 5.092 54.501 1.00 37.96 20950 CG GLU D 353 -127.264 4.362 53.789 1.00 41.29										
20950 CG GLU D 353 -127.264 4.362 53.789 1.00 41.29										
	20950	CG	GLU	D	353	-127.264	4.362	53.789	1.00	41.29
	20951	CD	GLU	D	353	-127.688	3.060	54.474	1.00	46.35

FIGURE 3 OU

A	В	C	D	E	F	G	H	I	J
20952	OE1	GLU	D	353	-127.3	25 2.8	60 55.67	0 1.00	47.37
20953	OE2	GLU		353	-127.3				
20954		GLU	D		-124.2				
20954	C	GLU		353 353	-124.2				36.18
	0								
20956	N	GLY		354	-124.1				35.03
20957	CA	GLY		354	-123.1				33.33
20958	С	GLY	D	354	-123.3				32.88
20959	0	GLY		354	-122.4				32.29
20960	N	TYR		355	-124.6				32.37
20961	CA	TYR		355	-124.9				32.40
20962	CB	TYR		355	-125.6				32.12
20963	CG	TYR		355	-124.8				32.12
20964	CD1	TYR		355	-124.6				31.66
20965	CE1	TYR		355	-123.9				31.91
20966	CZ	TYR		355	-123.2				34.47
20967	OH	TYR		355	-122.5				35.16
20968	CE2	TYR		355	-123.4				33.95
20969	CD2	TYR		355	-124.2				33.48
20970	С	TYR		355	-125.7				32.36
20971	0	TYR		355	-126.6				32.46
20972	N	ARG		356	-125.3				32.22
20973	CA	ARG		356	-125.9				32.23
20974	CB	ARG		356	-124.9				32.13
20975	CG	ARG		356	-123.8				32.43
20976	CD	ARG		356	-122.6				32.47
20977	NE	ARG	D	356	-121.4				31.76
20978	CZ	ARG		356	-121.2				30.21
20979	NH1	ARG		356	-122.0				29.24
20980	NH2	ARG	D	356	-120.2				29.43
20981	С	ARG		356	-127.3				31.78
20982	0	ARG	D	356	-127.4				31.54
20983	N	HIS		357	-128.3				31.98
20984	CA	HIS		357	-129.7				31.67
20985	CB	HIS	D	357	-130.4				30.76
20986	CG	HIS		357	-130.0				29.54
20987	ND1	HIS	D	357	-130.3				26.68
20988	CE1	HIS	D	357	-129.7				26.99
20989	NE2	HIS	D	357	-129.0				27.44
20990	CD2	HIS	D	357	-129.1				27.84
20991	С	HIS		357	-130.5				31.96
20992	0	HIS	D	357	-130.0				31.35
20993	N	ILE	D	358	-131.6				33.06
20994	CA	ILE	D	358	-132.4				34.50
20995	CB	ILE	D	358	-133.4				34.42
20996	CG1	ILE	D	358	-132.7				34.74
20997	CD1	ILE	D	358	-133.6				34.80
20998	CG2	ILE	D	358	-134.1				33.43
20999	С	ILE	D	358	-133.1				35.42
21000	0	ILE	D	358	-133.9				34.47
21001	N	CYS	D	359	-132.9				36.85
21002	CA	CYS	D	359	-133.6	74 4.9	60 42.76	2 1.00	38.92

FIGURE 3 OV

A	В	С	D	E	F	G	H	I	J
21003	CB	CYS	D	359	-132.691	6.097	43.006	1.00	39.01
21004	SG	CYS		359	-133.467	7.398	43.960	1.00	43.67
21005	C	CYS		359	-134.542	5.238	41.548	1.00	39.33
21006	0	CYS		359	-134.168	4.922	40.421	1.00	39.71
21007	N	TYR		360	-135.709	5.818	41.787	1.00	40.18
21008	CA	TYR		360	-136.653	6.101	40.725	1.00	41.13
21009	CB	TYR		360	-138.042	5.660	41.159	1.00	41.22
21010	CG	TYR		360	-139.166	6.012	40.211	1.00	40.71
21011	CD1	TYR		360	-140.043	7.046	40.504	1.00	41.69
21012	CE1	TYR		360	-141.079	7.362	39.658	1.00	41.04
21013	CZ	TYR		360	-141.259	6.625	38.509	1.00	41.55
21014	OH	TYR		360	-142.305	6.928	37.670	1.00	43.38
21015	CE2	TYR		360	-140.409	5.590	38.197	1.00	40.33
21016 21017	CD2	TYR		360	-139.372 -136.644	5.288	39.048 40.394	1.00	40.26
	С	TYR		360	-136.544	7.585 8.425	40.394	1.00	41.84
21018	0			360				1.00	
21019	N CA	PHE	D D	361 361	-136.485 -136.450	7.897 9.275	39.116 38.665	1.00	42.94
21020	CB	PHE	D	361	-135.155	9.275	37.894	1.00	43.88
21021	CG	PHE	D	361	-133.133	9.448	38.703	1.00	43.65
21022	CD1	PHE	D	361	-133.156	10.578	39.038	1.00	43.59
21023	CE1	PHE	D	361	-131.985	10.466	39.784	1.00	43.67
21024	CZ	PHE	D	361	-131.534	9.222	40.177	1.00	42.46
21026	CE2	PHE	D	361	-132.258	8.088	39.839	1.00	43.24
21027	CD2	PHE	D	361	-133.429	8.204	39.101	1.00	42.70
21028	C	PHE	D	361	-137.572	9.475	37.679	1.00	44.95
21029	Ö	PHE	D	361	-137.972	8.539	36.977	1.00	44.82
21030	N	GLN	D	362	-138.062	10.708	37.620	1.00	46.06
21031	CA	GLN	D	362	-139.001	11.116	36.594	1.00	47.40
21032	CB	GLN		362	-140.239	11.791	37.189	1.00	47.36
21033	CG	GLN	D	362	-141.040	10.943	38.162	1.00	48.74
21034	CD	GLN	D	362	-142.243	11.700	38.711	1.00	51.25
21035	OE1	GLN	D	362	-143.331	11.614	38.153	1.00	53.12
21036	NE2	GLN	D	362	-142.042	12.461	39.783	1.00	51.45
21037	C	GLN	D	362	-138.242	12.105	35.715	1.00	48.00
21038	0	GLN	D	362	-137.580	13.015	36.215	1.00	47.59
21039	N	ILE	D	363	-138.328	11.903	34.408	1.00	49.43
21040	CA	ILE	D	363	-137.646	12.751	33.437	1.00	50.89
21041	CB	ILE	D	363	-138.367	12.644	32.077	1.00	50.91
21042	CG1	ILE	D	363	-138.066	11.290	31.444	1.00	51.01
21043	CD1	ILE	D	363	-136.852	10.613	32.006	1.00	49.39
21044	CG2	ILE	D	363	-137.957	13.739	31.136	1.00	51.62
21045	С	ILE	D	363	-137.547	14.203	33.890	1.00	51.81
21046	0	ILE	D	363	-136.458	14.781	33.911	1.00	51.94
21047	N	ASP	D	364	-138.676	14.776	34.295	1.00	53.26
21048	CA	ASP	D	364	-138.744	16.195	34.652	1.00	54.63
21049	CB	ASP	D	364	-140.059	16.794	34.133	1.00	55.08
21050	CG OD1	ASP	D D	364	-139.984	17.194	32.661	1.00	57.13
21 0 51 21 0 52	OD2	ASP		364 364	-139.101 -140.764	18.014 16.755	32.315	1.00	58.88 57.86
21052	C C			364	-138.566	16.573	36.132		55.15
21003	C	ASP	D	304	-138.366	10.5/3	30.132	1.00	33.13

FIGURE 3 OW

21054 O	A	В	С	D	E	F	G	H	I	J
21055	21054	0	ASP	D	364	-138.963	17.669	36.535	1.00	55.15
21056 CA										
21056 CB LYS D 365 -138.896 15.533 39.259 1.00 56.83										
21058 CG										
21059 CD										
21060 CE										
21061 NZ										
21062 C										
21063										
21064 N										
21065 CA										
21066 CB										
21066 C										
21068 CD										
21069 CE										
21070 NZ										
21071 C										
21072										
21073 N										
21074 CA ASP D 367 -135.168 14.285 43.143 1.00 52.89										
21075 CB										
21076 CG										
21077 ODJ ASP D 367 -135.382 17.009 45.151 1.00 58.14										
21078 OZ ASP D 367 -133.909 15.526 45.658 1.00 58.60										
21079 C										
21080 O										
21081 N										
21082 CA CYS D 368 -135, 492 10,543 42,984 1,00 47,27	21080	0			367			41.994	1.00	51.45
21083 CB CYS D 368 -134 342 9 810 42 294 1.00 46 98 21084 SG CYS D 368 -135 321 9 288 43 413 1.00 45 43 21085 C CYS D 368 -135 843 9 847 44 277 1.00 46 28 21086 O CYS D 368 -135 321 10 190 45 330 1.00 46 58 21087 N THR D 369 -136 -136 -136 -136 -136 21089 CB THR D 369 -137 -132 88 175 45 449 1.00 43 62 21090 CG THR D 369 -138 -136 -136 -136 21091 CG CTR D 369 -139 -124 -136 -136 -136 21091 CG CTR D 369 -138 -139 -124 -136 21092 C THR D 369 -136 -139 -124 -136 21093 C THR D 369 -136 -136 -136 21094 N PHE D 370 -135 -136 -136 21095 CA PHE D 370 -135 -124 -136 21096 CB PHE D 370 -135 -124 -136 21099 CE PHE D 370 -132 -136 -136 -136 21090 CE PHE D 370 -132 -136 -136 -136 21091 CZ PHE D 370 -130 -136 -136 21001 CZ PHE D 370 -130 -130 -130 -130 21010 CZ PHE D 370 -130 -130 -130 -130 21010 CZ PHE D 370 -130 -130 -130 -130 21010 CZ PHE D 370 -130 -130 -130 -130 -130 21010 CZ PHE D 370 -130 -130 -130 -130 -130 -130 -130 21010 CZ PHE D 370 -130	21081	N	CYS	D	368	-135.092	11.892	43.307	1.00	49.15
21084 SG CYS D 368 -133.021 9.288 43.413 1.00 45.43	21082	CA	CYS	D	368	-135.492	10.543	42.984	1.00	47.27
21086 C	21083	CB	CYS	D	368	-134.342	9.810	42.294	1.00	46.98
21086 O CYS D 368	21084	SG	CYS	D	368	-133.021	9.288	43.413	1.00	45.43
21087 N	21085	C	CYS	D	368	-135.843	9.847	44.277	1.00	46.24
21088 CA THR D 369 -137.032 8.175 45.449 1.00 43.62	21086	0	CYS	D	368	-135.321	10.190	45.330	1.00	46.58
21089 CB THR D 369 -138.550 8.155 45.725 1.00 43.82	21087	N	THR	D	369		8.870	44.223		44.70
21090 OGI THR D 369 -139.124 6.964 45.188 1.00 44.95	21088	CA	THR	D	369	-137.032	8.175	45.449	1.00	43.62
21091 CG2 THR D 369 -136.434 67.78 45.429 1.00 43.26	21089	CB	THR	D	369	-138.550	8.155	45.725	1.00	43.82
21092 C	21090	OG1	THR	D	369	-139.124	6.964	45.188	1.00	44.95
21094 N	21091	CG2	THR	D	369	-139.239	9.272	44.967	1.00	43.26
21094 N	21092	С	THR	D	369	-136.434	6.778	45.429	1.00	42.15
21095 CA	21093	0	THR	D	369	-136.496	6.065	44.427	1.00	41.55
21096 CB PHE D 370 -134.193 5.065 47.736 1.00 39.01	21094	N	PHE	D	370	-135.820	6.406	46.539	1.00	40.33
21097 CG PHE D 370 -132.869 5.591 47.284 1.00 38.24	21095	CA	PHE	D	370	-135.249	5.084	46.648	1.00	39.06
21098 CDI PRE D 370 -132.082 4.851 46.425 1.00 36.86	21096	CB	PHE	D	370	-134.193	5.065	47.736	1.00	39.01
21099 CEI PRE D 370 -130.850 5.339 46.006 1.00 38.06 21100 CE PRE D 370 -130.416 6.581 46.447 1.00 38.00 21101 CE2 PRE D 370 -131.208 7.329 47.288 1.00 37.11 21102 CD2 PRE D 370 -132.423 6.833 47.705 1.00 36.95 21103 C PRE D 370 -136.321 4.045 46.931 1.00 38.31 47.006 46.931 1.00 38.31 47.006 46.931 1.00 38.31 47.006 46.931 40.006 46.931 40.006 46.931 40.006 46.931 40.006 46.931 40.006 46.931 40.006 46.931 40.006 46.931 40.006 46.931 40.006 46.931 40.006 40.0	21097	CG	PHE	D	370	-132.869	5.591	47.284	1.00	38.24
21100 CZ PHE D 370 -130.416 6.581 46.447 1.00 38.00 21101 CE2 PHE D 370 -131.208 7.329 47.288 1.00 37.11 21102 CD2 PHE D 370 -132.423 6.833 47.705 1.00 36.95 21103 C PHE D 370 -136.321 4.045 46.931 1.00 38.31	21098	CD1	PHE	D	370	-132.082	4.851	46.425	1.00	36.86
21101 CEZ PHE D 370 -131.208 7.329 47.288 1.00 37.11 21102 CDZ PHE D 370 -132.423 6.833 47.705 1.00 36.95 21103 C PHE D 370 -136.321 4.045 46.931 1.00 38.31	21099	CE1	PHE	D	370	-130.850	5.339	46.006	1.00	38.06
21101 CBZ PHE D 370 -131.208 7.329 47.288 1.00 37.11 21102 CDZ PHE D 370 -132.423 6.833 47.705 1.00 36.95 21103 C PHE D 370 -136.321 4.045 46.931 1.00 38.31	21100	CZ	PHE	D	370	-130.416	6.581	46.447	1.00	38.00
21103 C PHE D 370 -136.321 4.045 46.931 1.00 38.31	21101		PHE	D	370	-131.208	7.329	47.288	1.00	37.11
	21102	CD2	PHE	D	370	-132.423	6.833	47.705	1.00	36.95
	21103	С	PHE	D	370	-136.321	4.045	46.931	1.00	38.31
	21104	0	PHE	D	370	-137.207	4.276	47.764	1.00	38.16

FIGURE 3 OX

A	В	С	D	Е	F	G	Н	I	J
21105	N	ILE	D	371	-136.240	2.917	46.230	1.00	37.20
21106	CA	ILE	D	371	-137.180	1.816	46.422	1.00	36.77
21107	CB	ILE	D	371	-137.987	1.519	45.138	1.00	37.01
21108	CG1	ILE	D	371	-137.074	1.012	44.018	1.00	35.43
21109	CD1		D	371	-137.820	0.462	42.837	1.00	36.70
21110	CG2	ILE	D	371	-138.800	2.760	44.735	1.00	36.00
21111	C	ILE	D	371	-136.523	0.547	46.981	1.00	36.79
21112	0		D	371	-137.205	-0.458	47.188	1.00	36.99
21113	N	THR		372	-135.201	0.598	47.178	1.00	36.34
21114	CA	THR		372	-134.463	-0.395	47.972	1.00	36.04
21115	CB	THR		372	-133.588	-1.382	47.132	1.00	36.42
21116	OG1	THR		372	-132.577	-0.668	46.400	1.00	35.44
21117	CG2	THR		372	-134.422	-2.105	46.067	1.00	35.39
21118	C	THR		372	-133.574	0.376	48.943	1.00	35.99
21119	0	THR		372	-133.235	1.539	48.698	1.00	36.01
21120	N	LYS	D	373	-133.232	-0.251	50.062	1.00	35.71
21121	CA	LYS	D	373	-132.320	0.342	51.037	1.00	35.84
21122	CB	LYS	D	373	-132.988	1.458	51.828	1.00	36.44
21123 21124	CG	LYS	D	373	-134.476	1.226	52.094	1.00	38.82
21124	CD	LYS	D	373 373	-134.836 -134.428	1.498	53.548	1.00	41.22
21125	NZ	LYS	D D	373	-134.428	3.181	55.429	1.00	45.05
21127	C	LYS		373	-131.843	-0.723	51.984	1.00	35.25
21127	0	LYS	D	373	-131.843	-1.838	51.984	1.00	35.89
21129	N	GLY		374	-130.876	-0.374	52.819	1.00	34.90
21129	CA	GLY		374	-130.370	-1.310	53.769	1.00	33.91
21131	C	GLY	D	374	-128.803	-1.356	53.581	1.00	33.63
21132	Ö	GLY		374	-128.269	-0.778	52.634	1.00	33.52
21133	N	THR		375	-128.109	-2.039	54.480	1.00	33.26
21134	CA	THR		375	-126.653	-2.159	54.384	1.00	32.63
21135	CB	THR		375	-126.040	-2.305	55.781	1.00	32.98
21136	OG1	THR		375	-126.429	-3.572	56.321	1.00	34.19
21137	CG2	THR		375	-126.673	-1.306	56.754	1.00	32.80
21138	С	THR	D	375	-126.245	-3.349	53.518	1.00	31.50
21139	0	THR	D	375	-125.699	-4.329	54.010	1.00	31.37
21140	N	TRP	D	376	-126.510	-3.236	52.225	1.00	30.27
21141	CA	TRP	D	376	-126.162	-4.251	51.237	1.00	29.82
21142	CB	TRP	D	376	-127.086	-5.479	51.284	1.00	29.57
21143	CG	TRP	D	376	-128.550	-5.157	51.340	1.00	29.97
21144	CD1	TRP	D	376	-129.298	-4.950	52.460	1.00	31.52
21145	NE1	TRP	D	376	-130.600	-4.668	52.117	1.00	33.29
21146	CE2	TRP	D	376	-130.715	-4.688	50.753	1.00	31.81
21147	CD2	TRP		376	-129.441	-4.988	50.229	1.00	31.04
21148	CE3	TRP		376	-129.295	-5.079	48.836	1.00	30.24
21149	CZ3	TRP	D	376	-130.386	-4.847	48.034	1.00	30.33
21150	CH2	TRP		376	-131.652	-4.560	48.586	1.00	31.76
21151	CZ2	TRP		376	-131.833	-4.473	49.938	1.00	32.25
21152	C	TRP		376	-126.329	-3.507	49.933	1.00	29.40
21153	0	TRP		376	-126.797	-2.374	49.941	1.00	28.79
21154	N	GLU	D	377	-125.952	-4.118	48.816		29.03
21155	CA	GLU	D	3//	-126.019	-3.384	47.549	1.00	28.80

FIGURE 3 OY

A	В	C	D	E		F		G	H		1	J
							_					
	CB	GLU			-124		-2.		47.			28.09
	CG	GLU			-123		-2.		48.			27.76
	CD	GLU			-122		-1.		47.			28.36
	OE1	GLU			-122		-0.		47.			29.76
	OE2	GLU			-122			719	46.			30.38
	C	GLU			-126			089	46.			28.45
	0	GLU			-126			289	46.			28.24
	N	VAL			-127		-3.		45.			29.21
	CA	VAL			-128		-3.		44.			29.24
	CB	VAL			-129		-2.		43.			29.41
	CG1	VAL			-129		-3.		42.			28.44
	CG2	VAL			-130		-2.		44.			28.31
	C	VAL			-126		-3.		43.		1.00	30.44
	0	VAL			-126			033	43.		1.00	
	N			379	-126		-5.		42.		1.00	32.28
	CA			379	-125		-5.		41.		1.00	33.52
	CB	ILE		379	-125		-6.		41.		1.00	33.68
	CG1	ILE			-124			260	43.		1.00	33.80
	CD1	ILE		379	-123			369	43.		1.00	33.48
	CG2			379	-124		-7.		40.		1.00	34.15
	C			379	-126			856	40.		1.00	34.25
	0			379	-125		-4.		39.		1.00	34.43
	N	GLY			-127		-5.		40.		1.00	34.97
	CA	GLY			-127		-4.			778	1.00	36.19
21180	C	GLY	D	380	-129		-4.	880	38.	609	1.00	36.82
21181	0	GLY	D	380	-129		-5.		39.	117	1.00	37.70
21182	N	ILE	D	381	-129		-3.		37.		1.00	37.55
	CA		D	381	-131			109	37.	545	1.00	37.88
21184	CB	ILE	D	381	-131		-2.		37.	160	1.00	38.08
21185	CG1	ILE	D	381	-132	.109	-1.	923	38.	413	1.00	38.21
21186	CD1	ILE	D	381	-132	.224	-0.	427	38.	137	1.00	37.59
21187	CG2	ILE	D	381	-133	.182	-2.	981	36.	381	1.00	36.96
21188	C	ILE	D	381	-131	.256	-5.	024	36.	330	1.00	38.84
21189	0	ILE	D	381	-130	.627	-4.	711	35.	317	1.00	38.87
21190	N	GLU	D	382	-131	.941	-6.	155	36.	427	1.00	39.49
21191	CA	GLU	D	382	-131	.914	-7.	145	35.	365	1.00	40.28
21192	CB	GLU	D	382	-131	.826	-8.	554	35.	971	1.00	40.16
21193	CG	GLU	D	382	-130	.637	-8.	763	36.	888	1.00	40.99
21194	CD	GLU	D	382	-129	.303	-8.	422	36.	241	1.00	42.81
21195	OE1	GLU	D	382	-129	.076	-8.	797	35.	068	1.00	43.56
21196	OE2	GLU	D	382	-128	.479	-7.	764	36.	908	1.00	43.93
21197	C	GLU	D	382	-133	.100	-7.	061	34.	407	1.00	40.86
21198	0	GLU	D	382	-132	.973	-7.	374	33.	225	1.00	41.14
21199	N	ALA	D	383	-134	.259	-6.	657	34.	913	1.00	41.59
21200	CA	ALA	D	383	-135	.447	-6.	544	34.	064	1.00	41.83
	CB	ALA			-136		-7.	913	33.		1.00	41.83
	C	ALA		383	-136		-5.		34.		1.00	42.32
	0	ALA		383	-136		-5.		35.		1.00	41.93
	N	LEU		384	-137		-5.		33.		1.00	42.65
	CA	LEU			-138			178	34.		1.00	43.03
	CB	LEU	D	384	-137		-2.	777	33.			42.90

FIGURE 3 OZ

A	В	С	D	E	F	G	H	I	J
21207	CG	LEU	D	384	-138.924	-1.652	33.979	1.00	42.15
21208	CD1	LEU		384	-139.173	-1.634	35.484	1.00	41.21
21209	CD2	LEU		384	-138.338	-0.343	33.531	1.00	41.42
21210	C			384	-139.614	-4.564	33.262	1.00	43.77
21211	Ö	LEU			-139.553	-4.837	32.076		44.19
21211	N	THR		385	-140.747	-4.621	33.939	1.00	44.51
21212	CA	THR		385	-142.009	-4.822	33.251	1.00	44.99
21213	CB	THR		385	-142.612	-6.190	33.558	1.00	45.20
21214		THR			-142.895	-6.281	34.960		45.54
	OG1			385				1.00	
21216	CG2	THR			-141.596	-7.305	33.304	1.00	44.70
21217	С			385	-142.891	-3.722	33.785	1.00	45.45
21218	0			385	-142.424	-2.877	34.542	1.00	45.63
21219	N			386	-144.161	-3.699	33.401	1.00	46.00
21220	CA	SER		386	-145.027	-2.641	33.912	1.00	46.09
21221	CB	SER		386	-146.253	-2.430	33.010	1.00	46.35
21222	OG	SER		386	-146.907	-3.659	32.748	1.00	47.43
21223	С	SER		386	-145.439	-2.985	35.338	1.00	45.73
21224	0	SER	D	386	-145.896	-2.118	36.083	1.00	45.55
21225	N	ASP	D	387	-145.253	-4.251	35.710	1.00	45.25
21226	CA	ASP	D	387	-145.595	-4.715	37.046	1.00	45.10
21227	CB	ASP	D	387	-146.446	-5.976	36.958	1.00	45.39
21228	CG	ASP	D	387	-147.721	-5.776	36.151	1.00	45.79
21229	OD1	ASP	D	387	-148.334	-4.682	36.233	1.00	44.47
21230	OD2	ASP	D	387	-148.181	-6.676	35.410	1.00	45.75
21231	С	ASP	D	387	-144.397	-5.010	37.960	1.00	45.22
21232	0	ASP	D	387	-144.522	-4.927	39.187	1.00	45.43
21233	N	TYR	D	388	-143.242	-5.345	37.380	1.00	44.50
21234	CA	TYR		388	-142.109	-5.781	38.187	1.00	43.85
21235	CB			388	-142.089	-7.300	38.221	1.00	44.23
21236	CG			388	-143.153	-7.910	39.090	1.00	46.90
21237	CD1	TYR		388	-144.206	-8.626	38.533	1.00	48.02
21238	CE1	TYR		388	-145.177	-9.190	39.331	1.00	49.82
21239	CZ			388	-145.108	-9.039	40.702	1.00	51.59
21240	OH			388	-146.076	-9.596	41.510	1.00	53.43
21241	CE2	TYR		388	-144.068	-8.339	41.279	1.00	
21242	CD2	TYR		388	-143.099	-7.779	40.473	1.00	49.24
21243	C	TYR		388	-140.715	-5.330	37.760	1.00	42.89
21244	ŏ	TYR		388	-140.366	-5.372	36.580	1.00	43.06
21245	N	LEU	D	389	-139.916	-4.942	38.753	1.00	41.19
21245	CA			389	-138.507	-4.614	38.567	1.00	39.23
							39.334		
21247	CB	LEU	D	389	-138.156	-3.339		1.00	39.32
21248	CG	LEU		389	-136.716	-2.789	39.446	1.00	39.19
21249	CD1	LEU		389	-135.648	-3.859	39.256	1.00	38.76
21250	CD2			389	-136.476	-1.627	38.500	1.00	36.57
21251	С	LEU		389	-137.727	-5.792	39.132	1.00	37.99
21252	0	LEU		389	-137.870	-6.117	40.310	1.00	37.64
21253	N	TYR		390	-136.944	-6.454	38.284	1.00	36.44
21254	CA	TYR		390	-136.096	-7.572	38.702	1.00	35.27
21255	CB	TYR		390	-136.120	-8.667	37.640	1.00	35.32
21256	CG	TYR		390	-137.462	-9.355	37.489	1.00	35.78
21257	CD1	TYR	D	390	-137.705	-10.594	38.077	1.00	35.03

FIGURE 3 PA

A	В	C	D	Е	F	G	Н	I	J
21258	CE1	TYR	D	390	-138.926	-11.219	37.931	1.00	35.62
21259	CZ	TYR				-10.606	37.194	1.00	36.94
21260	OH	TYR			-141.154	-11.213	37.040	1.00	38.72
21261	CE2	TYR			-139.700	-9.386	36.600	1.00	36.15
21262	CD2	TYR			-138.479	-8.768	36.752	1.00	34.64
21263	C	TYR			-134.640	-7.111	38.932	1.00	34.37
21264	ŏ	TYR			-134.089	-6.366	38.121	1.00	33.74
21265	N	TYR			-134.021	-7.532	40.032	1.00	33.78
21266	CA	TYR			-132.633	-7.111	40.295	1.00	33.57
21267	CB	TYR			-132.588	-5.786	41.050	1.00	32.67
21268	CG	TYR			-133.038	-5.874	42.493	1.00	33.02
21269	CD1	TYR			-132.119	-6.026	43.522	1.00	31.65
21270	CE1	TYR			-132.527	-6.097	44.841	1.00	32.39
21271	CZ	TYR			-133.875	-6.002	45.149	1.00	31.55
21272	OH	TYR		391	-134.297	-6.080	46.457	1.00	29.40
21273	CE2	TYR			-134.806	-5.850	44.144	1.00	31.36
21274	CD2	TYR			-134.389	-5.783	42.829	1.00	33.04
21275	C	TYR			-131.789	-8.142	41.027	1.00	33.49
21276	ō	TYR			-132.321	-9.035	41.686	1.00	33.47
21277	N			392	-130.472	-8.009	40.879	1.00	33.22
21278	CA			392	-129.503	-8.860	41.554	1.00	33.32
21279	CB	ILE		392	-128.368	-9.250	40.586	1.00	33.70
21280	CG1	ILE			-128.870	-10.182	39.476	1.00	33.03
21281	CD1			392	-129.221	-11.532	39.945	1.00	33.23
21282	CG2	ILE	D	392	-127.203	-9.887	41.356	1.00	33.89
21283	С			392	-128.886	-8.067	42.698	1.00	33.31
21284	Ō			392	-128.479	-6.910	42.518	1.00	33.78
21285	N	SER	D	393	-128.806	-8.669	43.876	1.00	32.64
21286	CA	SER	D	393	-128.183	-7.981	45.004	1.00	32.76
21287	CB	SER	D	393	-129.201	-7.144	45.790	1.00	32.51
21288	OG	SER	D	393	-129.875	-7.933	46.759	1.00	33.92
21289	C	SER	D	393	-127.472	-8.960	45.915	1.00	32.29
21290	0	SER	D	393	-127.584	-10.171	45.738	1.00	31.99
21291	N	ASN	D	394	-126.719	-8.431	46.872	1.00	32.51
21292	CA	ASN	D	394	-126.000	-9.274	47.830	1.00	32.69
21293	CB	ASN	D	394	-124.527	-8.862	47.970	1.00	32.26
21294	CG	ASN	D	394	-124.338	-7.384	48.325	1.00	31.57
21295	OD1	ASN	D	394	-125.295	-6.636	48.589	1.00	31.30
21296	ND2	ASN	D	394	-123.085	-6.951	48.298	1.00	29.02
21297	С	ASN	D	394	-126.683	-9.279	49.189	1.00	33.36
21298	0	ASN	D	394	-126.095	-9.652	50.198	1.00	32.50
21299	N	GLU			-127.944	-8.867	49.199	1.00	34.75
21300	CA	GLU		395	-128.707	-8.829	50.436	1.00	36.34
21301	CB	GLU			-130.149	-8.415	50.169	1.00	36.30
21302	CG	GLU		395	-130.976	-8.423	51.443	1.00	36.61
21303	CD	GLU		395	-132.358	-7.840	51.268	1.00	37.91
21304	OE1	GLU			-132.893	-7.322	52.260	1.00	39.02
21305	OE2	GLU		395	-132.913	-7.897	50.148	1.00	39.24
21306	C	GLU			-128.726	-10.124	51.253	1.00	37.08
21307	0	GLU			-128.535	-10.103	52.471	1.00	37.83
21308	И	TYR	D	396	-128.954	-11.245	50.589	1.00	37.66

FIGURE 3 PB

A	В	С	D	E	F	G	H	I	J
21309	CA	TYR	D	396	-129.164	-12.497	51.302	1.00	38.42
21310	CB	TYR			-129.319		50.332	1.00	39.08
21311	CG	TYR			-129.903		50.993	1.00	40.75
21312	CD1	TYR			-129.281		50.894	1.00	42.10
21313	CE1	TYR			-129.813		51.500	1.00	43.64
21314	CZ	TYR			-130.974		52.235	1.00	44.50
21315	OH	TYR			-131.491		52.849	1.00	45.67
21316	CE2	TYR			-131.611		52.359	1.00	43.32
21317	CD2	TYR			-131.070		51.739	1.00	42.76
21318	C	TYR			-128.115	-12.822	52.335	1.00	38.41
21319	0	TYR			-126.949	-13.019	52.001	1.00	39.06
21320	N	LYS	D	397	-128.554	-12.879	53.594	1.00	38.17
21321	CA	LYS	D	397	-127.717	-13.254	54.735	1.00	37.76
21322	CB	LYS			-127.140		54.554	1.00	38.02
21323	CG	LYS	D	397	-128.178	-15.777	54.569	1.00	39.40
21324	CD	LYS	D	397	-127.545	-17.152	54.746	1.00	41.15
21325	CE	LYS	D	397	-128.568	-18.272	54.523	1.00	44.14
21326	NZ	LYS	D	397	-127.948	-19.634	54.367	1.00	44.91
21327	C	LYS	D	397	-126.603	-12.263	55.024	1.00	37.22
21328	0	LYS	D	397	-125.683	-12.557	55.783	1.00	37.28
21329	N	GLY	D	398	-126.682	-11.087	54.417	1.00	36.41
21330	CA	GLY	D	398	-125.646	-10.092	54.606	1.00	35.51
21331	C	GLY	D	398	-124.273	-10.549	54.137	1.00	34.64
21332	0	GLY	D	398	-123.281	-10.208	54.746	1.00	34.99
21333	N	MET	D	399	-124.225	-11.309	53.050	1.00	34.17
21334	CA	MET	D	399	-122.972	-11.811	52.483	1.00	33.91
21335	CB	MET		399	-123.074		52.149	1.00	34.02
21336	CG	MET	D	399	-123.071	-14.227	53.385	1.00	36.12
21337	SD	MET	D	399	-123.734	-15.905	53.097	1.00	40.58
21338	CE	MET		399	-122.457		52.072	1.00	37.49
21339	C	MET	D	399	-122.693	-11.029	51.223	1.00	33.24
21340	0	MET		399	-123.348		50.197	1.00	33.54
21341	N	PRO			-121.733	-10.127	51.296	1.00	32.85
21342	CA	PRO			-121.428	-9.258	50.157	1.00	31.96
21343	CB	PRO		400	-120.303	-8.368	50.689	1.00	32.56
21344	CG	PRO			-120.388	-8.488	52.219	1.00	32.56
21345	CD	PRO			-120.877	-9.856	52.469	1.00	32.49
21346	C	PRO		400	-120.966	-10.075	48.959	1.00	31.41
21347	0	PRO			-121.032	-9.603	47.806	1.00	31.06
21348	N	GLY		401	-120.535	-11.304	49.232	1.00	30.39
21349	CA			401	-120.019	-12.185	48.206	1.00	29.98
21350	C	GLY			-121.033	-13.138	47.618	1.00	29.92
21351	0	GLY		401	-120.681	-14.059	46.869	1.00	29.59
21352	N	GLY			-122.296		47.965	1.00	30.03
21353	CA	GLY			-123.380		47.412	1.00	30.76
21354	С	GLY		402	-124.202	-12.877	46.444	1.00	31.24
21355	0	GLY			-124.129		46.459	1.00	31.82
21356	N	ARG		403	-124.983		45.601	1.00	31.17
21357	CA	ARG		403	-125.805		44.605	1.00	31.79
21358	CB	ARG			-125.148		43.215	1.00	31.66
21359	CG	ARG	Ŋ	403	-123.788	-12.221	43.092	1.00	33.33

FIGURE 3 PC

A	В	C	D	E	F	G	H	1	J
21360	CD	ARG		403	-123.842	-10.718	43.121	1.00	34.68
21361	NE	ARG			-122.545		42.887	1.00	36.17
21362	CZ	ARG			-121.648	-9.857	43.845	1.00	37.00
21363		ARG			-120.497	-9.260	43.545		35.90
21364	NH2	ARG			-121.900	-10.215	45.103	1.00	35.24
21365	С	ARG			-127.128		44.459	1.00	31.84
21366	0	ARG			-127.160		44.254	1.00	31.02
21367	N	ASN			-128.222	-12.831	44.529	1.00	32.69
21368	CA			404	-129.536		44.293	1.00	33.04
21369	CB	ASN			-130.216		45.605	1.00	32.99
21370	CG	ASN	D	404	-129.598	-14.992	46.222	1.00	34.62
21371	OD1	ASN	D	404	-128.764	-14.886	47.133	1.00	38.55
21372	ND2	ASN	D	404	-129.935	-16.148	45.692	1.00	34.43
21373	C	ASN	D	404	-130.398	-12.492	43.494	1.00	33.01
21374	0	ASN	D	404	-130.138	-11.290	43.448	1.00	33.01
21375	N	LEU	D	405	-131.420	-13.069	42.863	1.00	32.93
21376	CA	LEU	D	405	-132.376	-12.328	42.045	1.00	32.18
21377	CB	LEU	D	405	-132.739	-13.130	40.792	1.00	32.03
21378	CG	LEU	D	405	-133.891	-12.620	39.926	1.00	31.61
21379	CD1	LEU	D	405	-133.548	-11.250	39.356	1.00	29.59
21380	CD2	LEU	D	405	-134.244	-13.622	38.801	1.00	30.33
21381	С	LEU	D	405	-133.635	-12.052	42.857	1.00	32.74
21382	0	LEU	D	405	-134.217	-12.949	43.495	1.00	31.85
21383	N	TYR	D	406	-134.040	-10.794	42.836	1.00	32.97
21384	CA	TYR	D	406	-135.212	-10.364	43.546	1.00	33.88
21385	CB	TYR	D	406	-134.825	-9.373	44.648	1.00	33.78
21386	CG	TYR	D	406	-133.946	-9.942	45.738	1.00	32.63
21387	CD1	TYR	D	406	-134.439	-10.130	47.023	1.00	32.00
21388	CE1	TYR	D	406	-133.630	-10.635	48.044	1.00	31.50
21389	CZ	TYR	D	406	-132.316	-10.963	47.770	1.00	30.89
21390	OH	TYR	D	406	-131.510	-11.476	48.773	1.00	32.49
21391	CE2	TYR	D	406	-131.804	-10.779	46.501	1.00	30.49
21392	CD2	TYR	D	406	-132.614	-10.266	45.493	1.00	31.07
21393	С	TYR	D	406	-136.124	-9.678	42.553	1.00	34.67
21394	0	TYR	D	406	-135.686	-9.284	41.481	1.00	35.49
21395	N	LYS	D	407	-137.395	-9.547	42.903	1.00	35.65
21396	CA	LYS	D	407	-138.341	-8.803	42.074	1.00	36.67
21397	CB	LYS	D	407	-139.286	-9.734	41.295	1.00	36.90
21398	CG	LYS	D	407	-140.233	-10.547	42.178	1.00	38.89
21399	CD	LYS	D	407	-140.922	-11.691	41.423	1.00	40.76
21400	CE	LYS	D	407	-142.154	-11.240	40.640	1.00	44.41
21401	NZ	LYS			-143.256	-12.282	40.629	1.00	43.08
21402	С	LYS	D	407	-139.127	-7.853	42.971	1.00	36.78
21403	ō	LYS			-139.624	-8.234	44.042	1.00	36.66
21404	N			408	-139.195	-6.600	42.547	1.00	37.10
21405	CA			408	-139.922	-5.596	43.293	1.00	37.04
21406	CB			408	-139.204	-4.256	43.236	1.00	36.23
21407	CG1	ILE		408	-137.831	-4.326	43.878	1.00	36.01
21408	CD1	ILE		408	-137.158	-2.960	43.957	1.00	33.49
21409	CG2		D	408	-140.016	-3.229	43.938	1.00	36.26
21410	С	ILE	D	408	-141.289	-5.394	42.684		37.65

FIGURE 3 PD

A	В	С	D	E	F	G	H	I	J
21411	0	ILE	D	408	-141.401	-5.034	41.515	1.00	37.20
21412	N	GLN		409	-142.330	-5.598	43,485	1.00	38.31
21413	CA	GLN	D	409	-143.691	-5.350	43.029	1.00	38.57
21414	CB	GLN	D	409	-144.674	-5.848	44.083	1.00	38.78
21415	CG	GLN		409	-146.009	-6.289	43.538	1.00	40.54
21416	CD	GLN	D	409	-147.113	-6.202	44.568	1.00	42.55
21417	OE1	GLN	D	409	-147.261	-7.089	45.414	1.00	44.19
21418	NE2	GLN	D	409	-147.893	-5.131	44.504	1.00	43.30
21419	С	GLN	D	409	-143.829	-3.842	42.820	1.00	38.57
21420	0	GLN	D	409	-143.724	-3.063	43.765	1.00	38.39
21421	N	LEU	D	410	-144.045	-3.418	41.581	1.00	38.83
21422	CA	LEU	D	410	-144.096	-1.990	41.286	1.00	39.17
21423	CB	LEU	D	410	-144.019	-1.742	39.778	1.00	39.59
21424	CG	LEU	D	410	-142.621	-1.439	39.217	1.00	40.31
21425	CD1	LEU	D	410	-141.515	-1.972	40.122	1.00	38.99
21426	CD2	LEU	D	410	-142.484	-1.970	37.789	1.00	40.56
21427	С	LEU	D	410	-145.308	-1.285	41.883	1.00	39.46
21428	0	LEU	D	410	-145.281	-0.070	42.101	1.00	39.25
21429	N	SER	D	411	-146.374	-2.039	42.144	1.00	39.59
21430	CA	SER	D	411	-147.547	-1.454	42.777	1.00	39.90
21431	CB	SER	D	411	-148.790	-2.339	42.590	1.00	40.21
21432	OG			411	-148.800	-3.468	43.458	1.00	40.00
21433	C	SER		411	-147.274	-1.167	44.252	1.00	40.10
21434	0	SER			-147.932	-0.325	44.839	1.00	40.37
21435	N	ASP			-146.292	-1.858	44.839	1.00	40.45
21436	CA	ASP		412	-145.877	-1.625	46.239	1.00	40.64
21437	CB	ASP			-146.788	-2.349	47.233	1.00	40.63
21438	CG	ASP			-146.538	-1.916	48.686	1.00	41.97
21439	OD1	ASP		412	-147.314	-2.347	49.573	1.00	40.00
21440	OD2	ASP			-145.599	-1.142	49.029	1.00	41.57
21441	С	ASP			-144.443	-2.098	46.413	1.00	40.30
21442	0	ASP			-144.197	-3.287	46.546	1.00	40.84
21443	N	TYR		413	-143.489	-1.172	46.419	1.00	40.08
21444	CA	TYR			-142.079	-1.567	46.427	1.00	39.51
21445	CB	TYR		413	-141.158	-0.426	45.969	1.00	39.27
21446	CG	TYR			-141.130	0.781	46.862	1.00	37.33
21447	CD1	TYR			-140.282	0.833	47.949	1.00	35.88
21448	CE1	TYR			-140.229	1.934	48.757	1.00	34.67
21449	CZ			413	-141.029	3.004	48.492	1.00	36.06
21450	OH			413	-140.968	4.095	49.318	1.00	35.92
21451	CE2	TYR		413	-141.892	2.988	47.412	1.00	36.35
21452	CD2	TYR			-141.931	1.883	46.602	1.00	36.60
21453	C	TYR		413	-141.575		47.709	1.00	39.83
21454 21455	0	TYR			-140.532 -142.317	-2.869 -2.056	47.699 48.803	1.00	39.86
21455	N CA	THR			-142.317	-2.718	50.046	1.00	39.71
21456	CB			414	-141.943	-2.718		1.00	39.23
21457	OG1	THR			-144.175	-2.160	51.223 51.014	1.00	38.38
21458	CG2	THR			-144.175	-0.664	51.014	1.00	38.32
21459	C			414	-142.164	-4.211	49.868	1.00	39.68
21461	0	THR			-141.595	-5.033	50.584		40.05
21701	0	TIII	D	111	1-11.000	5.055	50.504	1.00	.0.03

FIGURE 3 PE

A	В	С	D	E	F	G	H	I	J
21462	N	LYS	D	415	-142.979	-4.567	48.886	1.00	39.61
21463	CA	LYS			-143.232	-5.969	48.623	1.00	40.20
21464	CB	LYS			-144.658	-6.174	48.103	1.00	40.65
21465	CG	LYS			-145.753	-5.943	49.167		42.91
21466	CD	LYS			-147.143	-6.165	48.571	1.00	48.34
21466					-148.267	-5.526	49.405	1.00	51.00
	CE	LYS			-149.436				
21468	NZ	LYS			-142.173	-5.087	48.543	1.00	52.41
21469	С	LYS				-6.514 -6.288	47.657	1.00	39.99
21470	0				-142.234		46.453		39.69
21471	N	VAL			-141.206	-7.239	48.206	1.00	39.55
21472	CA	VAL			-140.078	-7.713	47.432	1.00	39.65
21473	CB	VAL			-138.763	-7.049	47.913	1.00	39.43
21474	CG1	VAL			-137.575	-7.558	47.097	1.00	38.91
21475	CG2	VAL			-138.866	-5.545	47.842	1.00	38.33
21476	С	VAL			-139.905	-9.201	47.605	1.00	40.16
21477	0	VAL			-139.900	-9.697	48.730	1.00	40.54
21478	N	THR			-139.730	-9.917	46.502	1.00	40.19
21479	CA	THR			-139.552	-11.352	46.594	1.00	40.73
21480	CB			417	-140.654	-12.083	45.815	1.00	40.89
21481	OG1	THR			-141.943	-11.584	46.207	1.00	41.38
21482	CG2	THR			-140.671	-13.551	46.219	1.00	40.34
21483	С			417	-138.212	-11.819	46.064	1.00	41.14
21484	0	THR			-137.792	-11.447	44.972	1.00	40.93
21485	N	CYS			-137.548		46.824	1.00	42.11
21486	CA	CYS			-136.319		46.333	1.00	43.37
21487	CB			418	-135.368		47.462		43.62
21488	SG	CYS			-133.740		46.802	1.00	44.90
21489	С	CYS			-136.656		45.557	1.00	43.93
21490	0	CYS			-137.248		46.101	1.00	44.60
21491	N	LEU			-136.277		44.284	1.00	44.37
21492	CA			419	-136.554		43.405	1.00	44.48
21493	CB	LEU			-136.660		41.961	1.00	44.17
21494	CG			419	-137.709		41.779	1.00	44.46
21495	CD1	LEU			-137.792		40.331	1.00	43.74
21496	CD2	LEU			-139.069		42.271	1.00	42.94
21497	C			419	-135.520		43.474	1.00	45.00
21498	0	LEU			-135.784		43.037	1.00	45.47
21499	N			420	-134.343		44.013	1.00	45.42
21500	CA			420	-133.297		44.001	1.00	45.66
21501	CB			420	-132.104	-17.002	43.159	1.00	45.76
21502	OG			420	-131.376		43.835	1.00	45.05
21503	С			420	-132.817		45.379	1.00	45.89
21504	0			420	-132.446		45.602	1.00	45.56
21505	N	CYS			-132.827	-16.922	46.304	1.00	46.29
21506	CA	CYS			-132.279		47.629	1.00	47.17
21507	CB	CYS			-132.876		48.664	1.00	47.16
21508	SG	CYS			-132.521	-14.509	48.309	1.00	47.80
21509	С			421	-132.507		48.090	1.00	47.61
21510	0	CYS		421	-131.597	-19.270	48.577	1.00	47.82
21511	N	GLU				-19.071	47.916	1.00	48.19
21512	CA	GLU	D	422	-134.098	-20.349	48.500	1.00	48.46

FIGURE 3 PF

A	В	C	D	E	F	G	H	1	J
21513	CB	GLU		422	-135.454		49.179	1.00	48.73
21514	CG	GLU			-135.466		50.606	1.00	50.61
21515	CD	GLU			-134.709		51.495	1.00	52.80
21516	OE1	GLU			-133.838		52.279		53.41
21517	OE2	GLU			-134.994		51.391	1.00	53.84
21518	C	GLU			-134.134		47.560	1.00	47.86
21519	0	GLU			-134.444		47.997	1.00	47.92
21520	N	LEU			-133.826	-21.359	46.283	1.00	47.66
21521	CA	LEU		423	-133.895		45.340	1.00	47.50
21522	CB	LEU			-133.505		43.928	1.00	46.72
21523	CG			423	-134.432	-21.064	43.237	1.00	46.71
21524	CD1	LEU			-133.861	-20.714	41.865	1.00	45.47
21525	CD2	LEU			-135.879		43.131	1.00	44.66
21526	C	LEU			-133.075		45.742	1.00	47.55
21527	0	LEU			-133.505		45.525	1.00	48.17
21528	N	ASN			-131.904		46.318	1.00	47.60
21529	CA			424	-130.973		46.690	1.00	47.92
21530	CB	ASN			-130.413		45.437	1.00	47.81
21531	CG			424	-129.955		45.692	1.00	49.37
21532	OD1	ASN			-129.435	-26.929	46.764	1.00	49.33
21533	ND2	ASN	D	424	-130.155	-27.481	44.704	1.00	51.05
21534	C	ASN	D	424	-129.836	-23.901	47.503	1.00	47.90
21535	0	ASN			-128.681		47.083	1.00	47.55
21536	N			425	-130.191		48.694	1.00	47.98
21537	CA	PRO	D	425	-129.311	-22.654	49.567	1.00	48.03
21538	CB	PRO	D	425	-130.123	-22.569	50.868	1.00	48.10
21539	CG	PRO	D	425	-131.064	-23.736	50.765	1.00	48.04
21540	CD			425	-131.498		49.323	1.00	47.95
21541	С	PRO	D	425	-127.924		49.870	1.00	48.20
21542	0	PRO	D	425	-127.037	-22.452	50.238	1.00	48.51
21543	N	GLU	D	426	-127.737	-24.537	49.754	1.00	47.89
21544	CA	GLU	D	426	-126.446	-25.129	50.076	1.00	47.79
21545	CB	GLU	D	426	-126.594	-26.585	50.536	1.00	48.56
21546	CG	GLU	D	426	-127.339	-26.801	51.843	1.00	50.73
21547	CD	GLU			-127.464		52.171	1.00	54.79
21548	OE1	GLU	D	426	-126.586		52.894	1.00	56.18
21549	OE2	GLU	D	426	-128.432	-28.924	51.692	1.00	56.61
21550	С	GLU	D	426	-125.526	-25.102	48.877	1.00	46.74
21551	0	GLU	D	426	-124.343	-24.816	49.004	1.00	46.76
21552	N	ARG	D	427	-126.065	-25.427	47.707	1.00	45.40
21553	CA	ARG	D	427	-125.240	-25.467	46.519	1.00	44.20
21554	CB	ARG	D	427	-125.727	-26.551	45.546	1.00	44.04
21555	CG	ARG	D	427	-125.723	-26.080	44.107	1.00	44.50
21556	CD	ARG	D	427	-125.038	-26.983	43.086	1.00	43.76
21557	NE	ARG	D	427	-125.908	-28.054	42.638	1.00	42.34
21558	CZ	ARG	D	427	-125.861	-28.639	41.452	1.00	42.26
21559	NH1	ARG	D	427	-126.715	-29.615	41.190	1.00	45.11
21560	NH2	ARG	D	427	-124.995	-28.263	40.521	1.00	40.08
21561	C	ARG	D	427	-125.173		45.798	1.00	43.49
21562	0	ARG	D	427	-124.241		45.031	1.00	43.01
21563	N	CYS	D	428	-126.138	-23.259	46.078	1.00	42.43

FIGURE 3 PG

A	В	C	D	E	F	G	H	I	J
21564	CA	CYS			-126.316		45.261		41.60
21565	CB	CYS			-127.509		44.340		41.72
21566	SG	CYS			-127.122		43.014		42.76
21567	C	CYS			-126.529		45.990		40.66
21568	0	CYS			-127.604		46.522	1.00	40.59
21569	N	GLN			-125.523		45.984	1.00	39.42
21570	CA	GLN			-125.729		46.588	1.00	38.59
21571	CB	GLN	D	429	-125.367	-18.610	48.088	1.00	38.58
21572	CG	GLN	D	429	-123.947	-18.912	48.379	1.00	40.51
21573	CD	GLN	D	429	-123.720	-19.460	49.771	1.00	43.04
21574	OE1	GLN	D	429	-124.587	-20.127	50.344	1.00	44.99
21575	NE2	GLN	D	429	-122.540	-19.206	50.309	1.00	42.87
21576	C	GLN	D	429	-125.122	-17.462	45.759	1.00	37.72
21577	0	GLN	D	429	-125.005	-16.334	46.225	1.00	37.52
21578	N	TYR	D	430	-124.799	-17.759	44.501	1.00	36.84
21579	CA	TYR	D	430	-124.289	-16.762	43.564	1.00	36.29
21580	CB	TYR	D	430	-122.778	-16.910	43.408	1.00	36.15
21581	CG	TYR	D	430	-122.035	-15.707	42.852	1.00	35.36
21582	CD1	TYR	D	430	-122.065	-15.387	41.501	1.00	34.99
21583	CE1	TYR	D	430	-121.359	-14.288	41.012	1.00	34.16
21584	CZ	TYR	D	430	-120.606	-13.530	41.890	1.00	34.72
21585	OH	TYR	D	430	-119.880	-12.448	41.470	1.00	34.97
21586	CE2	TYR	D	430	-120.556	-13.848	43.215	1.00	34.00
21587	CD2	TYR	D	430	-121.264	-14.918	43.686	1.00	35.44
21588	С	TYR	D	430	-124.948		42.207	1.00	36.15
21589	0	TYR			-124.584		41.484		36.07
21590	N	TYR	D	431	-125.888	-16.102	41.848	1.00	35.64
21591	CA	TYR			-126.613		40.589	1.00	35.47
21592	CB	TYR			-128.108		40.856	1.00	35.49
21593	CG	TYR			-128.639		41.507	1.00	36.37
21594	CD1	TYR			-129.229		40.751	1.00	37.01
21595	CE1	TYR			-129.747		41.347	1.00	36.29
21596	CZ			431	-129.695		42.702		35.52
21597	OH	TYR			-130.217		43.297	1.00	
21598	CE2	TYR			-129.115		43.482		36.76
21599	CD2	TYR			-128.603		42.886	1.00	36.41
21600	C	TYR			-126.505		39.635	1.00	35.33
21601	ŏ	TYR			-126.292		40.032	1.00	35.64
21602	N	SER			-126.710		38.368	1.00	35.27
21603	CA	SER			-126.946		37.354	1.00	35.96
21604	CB			432	-125.799		36.358	1.00	35.30
21605	OG	SER			-125.588		35.744	1.00	35.72
21606	C	SER			-128.229		36.655	1.00	36.30
21607	o	SER			-128.697		36.871	1.00	36.14
21608	N	VAL			-128.791		35.821	1.00	36.82
21609	CA	VAL			-130.037		35.163	1.00	37.56
21610	CB	VAL			-131.196		35.930	1.00	37.90
21611	CG1	VAL			-131.030		35.935	1.00	36.95
21612	CG2	VAL		433	-132.543		35.341	1.00	38.37
21613	C	VAL			-130.087		33.706	1.00	38.13
21614	Ö	VAL			-129.519		33.344		37.79
	_	* 1777	2	100	160.010		JJ.J19		

FIGURE 3 PH

A B C D E F G H I	J
21615 N SER D 434 -130.744 -14.629 32.870 1.0	0 38.99
21616 CA SER D 434 -130.968 -14.265 31.479 1.0 21617 CB SER D 434 -130.234 -15.215 30.536 1.0	
	0 40.13
21619 C SER D 434 -132.477 -14.283 31.216 1.0	
21620 O SER D 434 -133.128 -15.330 31.301 1.0	
21621 N PHE D 435 -133.034 -13.115 30.924 1.0	
21622 CA PHE D 435 -134.469 -12.993 30.702 1.0	
21623 CB PHE D 435 -134.993 -11.682 31.292 1.0	
21624 CG PHE D 435 -135.297 -11.755 32.753 1.0	
21625 CD1 PHE D 435 -134.322 -11.471 33.690 1.0	
21626 CE1 PHE D 435 -134.599 -11.536 35.036 1.0	
21627 CZ PHE D 435 -135.863 -11.887 35.466 1.0	
21628 CE2 PHE D 435 -136.843 -12.176 34.543 1.0	
21629 CD2 PHE D 435 -136.556 -12.111 33.191 1.0	
	0 44.20
21631 O PHE D 435 -134.188 -12.488 28.370 1.0	
21632 N SER D 436 -135.992 -13.721 28.971 1.0	
21633 CA SER D 436 -136.565 -13.726 27.629 1.0	
21634 CB SER D 436 -137.775 -14.657 27.536 1.0	
21635 OG SER D 436 -138.793 -14.300 28.455 1.0	
21636 C SER D 436 -136.939 -12.285 27.313 1.0	
21637 O SER D 436 -137.091 -11.474 28.234 1.0	
21638 N LYS D 437 -137.110 -11.976 26.027 1.0	
21639 CA LYS D 437 -137.283 -10.595 25.575 1.0	
21640 CB LYS D 437 -137.419 -10.494 24.042 1.0	0 50.79
21641 CG LYS D 437 -138.798 -10.738 23.462 1.0	
21642 CD LYS D 437 -138.760 -10.584 21.936 1.0	
21643 CE LYS D 437 -140.158 -10.610 21.304 1.0	
21644 NZ LYS D 437 -140.888 -11.882 21.586 1.0	
21645 C LYS D 437 -138.298 -9.724 26.319 1.0	
21646 O LYS D 437 -138.068 -8.526 26.491 1.0	
21647 N GLU D 438 -139.412 -10.294 26.759 1.0	0 52.30
21648 CA GLU D 438 -140.339 -9.499 27.565 1.0	0 53.37
21649 CB GLU D 438 -141.729 -9.380 26.932 1.0	0 53.96
21650 CG GLU D 438 -142.041 -7.988 26.383 1.0	0 57.23
21651 CD GLU D 438 -141.751 -7.856 24.898 1.0	0 61.31
21652 OE1 GLU D 438 -140.599 -8.124 24.485 1.0	0 63.06
21653 OE2 GLU D 438 -142.683 -7.495 24.141 1.0	0 62.55
21654 C GLU D 438 -140.408 -10.017 28.995 1.0	0 53.07
21655 O GLU D 438 -141.348 -9.726 29.736 1.0	0 53.48
21656 N ALA D 439 -139.399 -10.795 29.367 1.0	0 52.51
21657 CA ALA D 439 -139.267 -11.291 30.732 1.0	0 51.94
21658 CB ALA D 439 -139.268 -10.130 31.722 1.0	0 52.12
21659 C ALA D 439 -140.318 -12.318 31.117 1.0	0 51.46
21660 O ALA D 439 -140.627 -12.481 32.297 1.0	
21661 N LYS D 440 -140.858 -13.004 30.116 1.0	
21662 CA LYS D 440 -141.808 -14.087 30.333 1.0	
21663 CB LYS D 440 -142.288 -14.646 28.991 1.0	
	0 52.48
	0 54.74

FIGURE 3 PI

A	В	С	D	Е	F	G	H	I	J
21666	CE	LYS	D	440	-145.640	-15.003	27.069	1.00	56.58
21667	NZ	LYS			-145.904		26.309	1.00	56.63
21668	C	LYS			-141.121		31.085	1.00	49.03
21669	0	LYS			-141.705		31.947	1.00	48.80
21670	N	TYR			-139.873	-15.460	30.733	1.00	48.21
21671	CA	TYR			-139.120		31.374	1.00	47.74
21672	CB	TYR			-138.895		30.406	1.00	47.94
21673	CG	TYR			-140.137		29.711	1.00	50.35
21674	CD1	TYR			-140.543		28.510	1.00	51.56
21675	CE1	TYR			-141.671	-18.038	27.865	1.00	53.50
21676	CZ	TYR			-142.412	-19.062	28,409	1.00	53.86
21677	OH	TYR			-143.537	-19.496	27.753	1.00	54.95
21678	CE2	TYR		441	-142.035	-19.642	29.603	1.00	53.67
21679	CD2	TYR			-140.897	-19.190	30.247	1.00	51.95
21680	C	TYR			-137.762	-16.009	31.776	1.00	46.81
21681	0	TYR	D	441	-137.343	-14.930	31.354	1.00	46.48
21682	N	TYR			-137.062	-16.810	32.574	1.00	45.97
21683	CA	TYR	D	442	-135.684	-16.495	32.914	1.00	44.89
21684	CB	TYR			-135.590	-15.490	34.064	1.00	44.45
21685	CG	TYR	D	442	-136.242	-15.889	35.363	1.00	43.39
21686	CD1	TYR	D	442	-137.520	-15.445	35.680	1.00	41.55
21687	CE1	TYR	D	442	-138.116	-15.778	36.871	1.00	39.53
21688	CZ	TYR		442	-137.433		37.783	1.00	39.57
21689	OH	TYR			-138.045		38.963	1.00	40.52
21690	CE2	TYR	D	442	-136.159	-16.992	37.516	1.00	40.25
21691	CD2	TYR	D	442	-135.560	-16.655	36.308	1.00	42.45
21692	С	TYR	D	442	-134.801	-17.712	33.162	1.00	44.37
21693	0	TYR	D	442	-135.222	-18.700	33.765	1.00	44.44
21694	N	GLN	D	443	-133.581	-17.648	32.649	1.00	43.41
21695	CA	GLN	D	443	-132.625	-18.688	32.944	1.00	42.92
21696	CB	GLN	D	443	-131.656	-18.931	31.785	1.00	42.69
21697	CG	GLN	D	443	-130.544	-19.908	32.162	1.00	42.04
21698	CD	GLN	D	443	-129.411	-19.954	31.152	1.00	42.81
21699	OE1	GLN	D	443	-128.810	-21.009	30.948	1.00	43.87
21700	NE2	GLN	D	443	-129.120	-18.825	30.519	1.00	41.23
21701	C	GLN	D	443	-131.858		34.174	1.00	42.66
21702	0	GLN	D	443	-131.360	-17.099	34.223	1.00	42.28
21703	N	LEU	D	444	-131.783		35.172	1.00	42.18
21704	CA	LEU			-131.056		36.371	1.00	41.84
21705	CB	LEU		444	-131.813		37.580	1.00	41.66
21706	CG	LEU		444	-132.168		38.705	1.00	41.03
21707	CD1	LEU		444	-132.217		38.224	1.00	38.47
21708	CD2	LEU		444	-133.492	-18.738	39.336	1.00	38.99
21709	C			444	-129.730		36.225	1.00	42.26
21710	0	LEU			-129.691		35.759	1.00	42.21
21711	N			445	-128.647		36.586	1.00	42.14
21712	CA	ARG			-127.309		36.527	1.00	42.28
21713	CB	ARG			-126.464		35.471	1.00	42.67
21714	CG	ARG			-124.990	-19.098	35.433	1.00	44.72
21715	CD	ARG			-124.049		35.576	1.00	48.07
21716	NE	ARG	D	445	-122.828	-17.971	34.777	1.00	48.95

FIGURE 3 PJ

A	В	C	D	E	F	G	H	1	J
21717	CZ	ARG	D	445	-122.216	-16 88	34.304	1 00	50.04
21718	NH1	ARG		445	-121.096			1.00	51.55
21719	NH2	ARG			-122.720			1.00	47.93
21720	C	ARG			-126.636			1.00	42.16
21721	0	ARG			-126.298			1.00	41.53
21722	N	CYS			-126.456			1.00	41.65
21723	CA			446	-125.851			1.00	41.54
21724	CB			446	-126.619			1.00	41.64
21725	SG			446	-125.705			1.00	46.47
21726	C	CYS			-124.361			1.00	40.75
21727	Ö	CYS			-123.999			1.00	40.72
21728	N			447	-123.497			1.00	39.17
21729	CA	SER		447	-122.068			1.00	38.14
21723	CB			447	-121.359			1.00	38.31
21731	OG	SER		447	-121.675			1.00	38.49
21731	C			447	-121.380			1.00	37.06
21732	Ö			447	-120.213			1.00	36.73
21734	N	GLY			-122.087			1.00	35.95
21735	CA	GLY			-121.483			1.00	34.88
21736	C	GLY			-122.336			1.00	34.41
21737	0	GLY			-123.344			1.00	34.38
21738					-121.900			1.00	
21739	N CA	PRO		449 449	-120.606			1.00	34.18
21740	CB			449	-120.456			1.00	34.42
21740	CG	PRO		449	-121.830			1.00	34.59
21741	CD			449	-122.637			1.00	33.81
21742	CD			449	-120.477			1.00	34.75
21743	0			449	-119.353			1.00	34.75
21744	N	GLY			-121.570			1.00	34.83
21746	CA	GLY			-121.467			1.00	35.54
21747	C	GLY			-121.216			1.00	36.40
21748	0	GLY			-120.901			1.00	36.56
21749	N	LEU		451	-121.375			1.00	37.17
21750	CA	LEU			-121.167			1.00	38.36
21751	CB	LEU		451	-121.167			1.00	38.29
21751	CG	LEU			-120.316			1.00	39.47
21753	CD1	LEU			-118.947			1.00	42.20
21754	CD2	LEU		451	-120.222			1.00	39.59
21755	C C	LEU			-122.192			1.00	38.94
21756	0	LEU			-123.328			1.00	38.53
21757	N	PRO		452	-121.793			1.00	
21758	CA	PRO			-122.686			1.00	39.85
21759	CB	PRO		452	-121.879			1.00	40.73
21760	CG	PRO			-120.463			1.00	
21760	CD	PRO			-120.463			1.00	40.65
21761	CD	PRO			-120.460			1.00	40.03
21762	0			452	-123.984			1.00	41.76
21763	N	LEU		452	-123.955			1.00	42.72
21764	CA			453	-125.104			1.00	44.01
21765	CB			453	-120.409			1.00	43.65
21760	CG			453	-128.654				44.43
21/0/	CG	TEO	Ŋ	453	-1∠8.654	-52.8TS	39.330	1.00	44.43

FIGURE 3 PK

A	В	C	D	Е		F	G	H	I	J
21768	CD1	LEU	D	453	-128	.878	-27.054	38.482	1.00	45.71
21769	CD2	LEU		453			-26.022	40.733		43.84
21770	C	LEU		453	-127		-24.183	37.243	1.00	44.57
21771	0	LEU		453	-127		-23.038	37.599		45.35
21772	N	TYR		454	-127		-24.658	36.072		45.35
21773	CA	TYR		454	-128		-23.839	35.144	1.00	45.92
21774	CB	TYR			-127		-23.924	33.745	1.00	45.73
21775	CG	TYR		454	-126		-23.350	33.654	1.00	45.75
21776	CD1	TYR			-126		-22.131	33.033	1.00	45.46
21777	CE1	TYR		454	-124		-21.598	32.943	1.00	45.32
21778	CZ	TYR		454	-123		-22.278	33.479	1.00	44.31
21779	OH	TYR		454	-122		-21.729	33.374	1.00	42.66
21780	CE2	TYR		454	-124		-23.497	34.100	1.00	44.72
21781	CD2	TYR		454			-24.029	34.182	1.00	46.13
21782	C	TYR		454	-129		-24.285	35.112	1.00	46.43
21783	0	TYR	D	454	-130	.134	-25.451	34.886	1.00	46.58
21784	N			455	-130		-23.356	35.343	1.00	47.08
21785	CA	THR	D	455	-132	.193	-23.690	35.367	1.00	47.64
21786	CB	THR	D	455	-132	.713	-23.740	36.813	1.00	47.54
21787	OG1	THR	D	455	-132		-22.567	37.508	1.00	47.64
21788	CG2	THR	D	455	-132	.039	-24.851	37.592	1.00	47.78
21789	C	THR	D	455	-133	.045	-22.730	34.539	1.00	47.80
21790	0	THR	D	455	-132	.574	-21.687	34.105	1.00	48.21
21791	N	LEU	D	456	-134	.306	-23.097	34.332	1.00	48.04
21792	CA	LEU	D	456	-135	.245	-22.295	33.550	1.00	48.05
21793	CB	LEU	D	456	-135	.546	-22.994	32.223	1.00	48.01
21794	CG	LEU	D	456	-135	.875	-22.155	30.989	1.00	47.55
21795	CD1	LEU	D	456	-137	.272	-22.447	30.468	1.00	47.66
21796	CD2	LEU	D	456	-135	.672	-20.683	31.245	1.00	46.82
21797	C	LEU	D	456	-136	.526	-22.093	34.342	1.00	48.19
21798	0	LEU	D	456	-137	.050	-23.031	34.929	1.00	47.89
21799	N	HIS	D	457	-137	.034	-20.864	34.352	1.00	48.72
21800	CA		D	457	-138		-20.543	35.142	1.00	48.94
21801	CB	HIS	D	457	-137		-19.790	36.408	1.00	48.74
21802	CG		D	457	-136		-20.441	37.143		47.92
21803	ND1	HIS	D	457	-136		-21.096	38.344	1.00	47.19
21804	CE1		D	457	-135		-21.581	38.751	1.00	46.29
21805	NE2	HIS	D	457	-134		-21.274	37.852	1.00	47.36
21806	CD2	HIS	D	457	-135		-20.558	36.838	1.00	47.16
21807	С	HIS		457	-139		-19.682	34.381	1.00	49.53
21808	0	HIS	D	457	-138		-18.879	33.538	1.00	49.59
21809	N	SER		458	-140		-19.847	34.674	1.00	50.26
21810	CA	SER		458	-141		-18.966	34.102	1.00	50.88
21811	CB	SER	D	458	-142		-19.726	33.713	1.00	50.96
21812	OG	SER		458	-143		-20.052	34.849		51.17
21813	C	SER	D	458	-141		-17.902	35.145	1.00	51.50
21814	0	SER			-142			36.306		50.79
21815	N	SER		459			-16.640	34.730	1.00	
21816	CA	SER		459			-15.522	35.642	1.00	54.05
21817	CB			459	-141		-14.211	35.016		54.13
21818	OG	SER	D	459	-141	.658	-14.227	33.618	1.00	54.49

FIGURE 3 PL

A	В	С	D	E	F	G	H	I	J
21819	С	SER	D	459	-143.408	-15.385	36.140	1.00	54.93
21820	0			459	-143.638		37.261	1.00	55.05
21821	N	VAL		460	-144.364		35.310	1.00	56.06
21822	CA	VAL			-145.769		35.691	1.00	57.14
21823	CB	VAL		460	-146.599		34.878	1.00	57.09
21824	CG1	VAL			-148.034		35.373	1.00	57.72
21825	CG2	VAL			-146.546		33.396	1.00	57.91
21826	C	VAL		460	-145.969		37.181	1.00	57.62
21827	ŏ	VAL			-146.490		37.909	1.00	57.81
21828	N	ASN			-145.563		37.624	1.00	58.27
21829	CA	ASN			-145.685		39.021	1.00	58.95
21830	CB	ASN			-146.436		39.147	1.00	59.48
21831	CG	ASN			-147.945	-18.738	39.068	1.00	60.70
21832	OD1	ASN			-148.521	-17.831	39.679	1.00	62.63
21833	ND2	ASN			-148.594	-19.627	38.326	1.00	61.00
21834	C	ASN			-144.319		39.688	1.00	59.24
21835	ŏ			461	-144.211	-17.653	40.914	1.00	59.41
21836	N	ASP			-143.288		38.873	1.00	59.20
21837	CA	ASP		462	-141.924		39.353	1.00	59.12
21838	CB	ASP			-141.595	-17.211	40.532	1.00	59.07
21839	CG	ASP			-141.596	-15.763	40.144	1.00	58.94
21840	OD1	ASP			-142.050		40.955	1.00	57.44
21841	OD2	ASP			-141.167		39.037	1.00	60.22
21842	C	ASP			-141.668		39.752	1.00	59.26
21843	Ö	ASP			-141.084	-19.831	40.804	1.00	59.45
21844	N			463	-142.099		38.923	1.00	59.18
21845	CA			463	-141.795		39.216	1.00	59.00
21846	CB	LYS			-143.052	-22.776	39.243	1.00	59.52
21847	CG			463		-23.162	40.667	1.00	60.85
21848	CD	LYS		463	-142.289		41.401	1.00	62.85
21849	CE			463	-142.425		42.922	1.00	64.92
21850	NZ			463	-142.345		43.400	1.00	65.38
21851	C	LYS			-140.748	-22.497	38.289	1.00	58.46
21852	0	LYS			-140.526		37.181	1.00	58.19
21853	N	GLY			-140.093		38.769	1.00	57.94
21854	CA	GLY		464	-139.066		38.001	1.00	57.62
21855	C	GLY			-139.659		36.846	1.00	57.48
21856	ŏ	GLY		464	-140.497		37.035	1.00	57.38
21857	N			465		-24.621	35.640	1.00	57.33
21858	CA	LEU			-139.677		34.464	1.00	57.18
21859	CB			465	-139.479		33.198	1.00	57.23
21860	CG	LEU		465	-140.300		33.212	1.00	56.97
21861	CD1	LEU		465	-140.474	-22.677	31.814	1.00	57.14
21862	CD2	LEU		465	-141.658		33.839	1.00	57.78
21863	C	LEU		465	-138.870		34.431	1.00	57.04
21864	0	LEU			-139.441	-27.728	34.406	1.00	57.23
21865	N	ARG			-137.545		34.451	1.00	56.48
21866	CA	ARG		466	-136.669		34.516	1.00	55.99
21867	CB	ARG			-136.913		33.332	1.00	56.46
21868	CG	ARG				-28.458	32.155	1.00	57.71
21869	CD	ARG			-136.392		31.135		59.67
22000	CD	***	_	100	130.332	22	01.100	1.00	55.07

FIGURE 3 PM

21870 NE	A	В	C	D	E	F	G	H	I	J
21871 CZ	21970	NIE	NDC	ъ	166	127 025	27 494	20 002	1 00	61 10
21872 NH1 ARG D 466										
21873 NH2 ARG 0 466 -135.128 3-07.21 34.629 1.00 55.20 21875 O										
21874 C										
21875 O										
21876 N										
21877 CA										
21878 CB VAL D 467 -132.379 -29.388 35.855 1.00 53.42										
21879 CG1 VAL D 467										
21880 CG2 VAL D 467										
21881 C										
21882 Q										
21883										
21884 CA										
21885 CB LEU D 468 -130.698 -25.708 31.543 1.00 49.44 21886 CG LEU D 468 -132.023 -25.027 31.199 1.00 49.27 21887 CDI LEU D 468 -132.033 -25.027 31.199 1.00 49.05 21889 C LEU D 468 -129.482 -27.862 31.995 1.00 49.05 21891 N GLU D 468 -129.169 -28.622 31.095 1.00 48.54 21893 CB GLU D 469 -128.664 -27.575 33.007 1.00 48.58 21893 CB GLU D 469 -124.881 -28.202 33.139 1.00 47.67 21894 CG GLU D 469 -124.891 -28.041 32.469 1.00 47.67 21895 CD GLU D <										
21886 CG										
21887 CDJ LBU D 468 -123,3567 30,840 1.00 48.79										
21888 CD2 LEU D 468 -124.738 -25.778 30.060 1.00 49.05										
21889 C										
21890										
21891 N	21889	С	LEU	D	468			31.995		49.07
21893 CB GLU D 469 -127.357 -28.220 33.139 1.00 47.89	21890	0								
21893 CB GLU D 69 -126.288 -27.444 32.375 1.00 47.67 21894 CG GLU D 69 -124.891 -28.041 32.469 1.00 47.67 21895 CD GLU D 469 -124.799 -29.453 31.914 1.00 45.91 21897 OE2 GLU D 469 -124.655 -30.393 32.725 1.00 45.51 21898 C GLU D 469 -127.012 -28.323 34.623 1.00 47.83 21900 N ASP D 470 -126.679 -29.522 35.079 1.00 47.04 21901 CA ASP D 470 -126.679 -29.522 35.079 1.00 46.59 21903 CG ASP D 470 -127.510 -30.573 37.110 1.00 46.59 21903 CG ASP D <td< td=""><td></td><td></td><td>GLU</td><td>D</td><td>469</td><td></td><td></td><td></td><td></td><td></td></td<>			GLU	D	469					
21895 CD GLU D 469 -124.891 -28.041 32.469 1.00 47.41	21892	CA	GLU	D	469	-127.357	-28.220	33.139	1.00	47.89
21895 CD GUD 0 69 -124.799 -29.453 31.914 1.00 45.94 21896 OEI GUD 0 69 -124.655 -30.393 32.725 1.00 45.94 21898 OE GUD 0 469 -124.838 -29.618 30.671 1.00 44.03 21899 OEU D 469 -127.012 -28.323 34.623 1.00 47.83 21900 N ASP D 470 -126.679 -29.522 35.579 1.00 47.04 21901 CA ASP D 470 -126.622 -29.701 36.501 1.00 46.59 21903 CG ASP D 470 -127.510 -30.573 37.110 1.00 46.59 21903 CG ASP D 470 -127.874 -32.856 37.625 1.00 47.04 21950 OZ ASP D 470 -125.043 -30.270 <	21893	CB	GLU	D	469	-126.288	-27.444	32.375		47.67
21896 OE1 GUU D 469 -124.655 -30.393 32.725 1.00 45.51	21894	CG	GLU	D	469	-124.891	-28.041	32.469	1.00	47.41
21897 OEZ GUD 0 69 -124.838 -29.618 30.671 1.00 44.03 21898 C GUD 0 469 -127.012 -28.33 34.623 1.00 44.03 21899 O GUD 0 469 -127.058 -27.328 35.358 1.00 48.11 21901 CA ASP D 0 470 -126.679 -29.522 35.079 1.00 47.04 21903 CB ASP D 0 470 -127.510 -30.573 37.110 1.00 46.59 21903 CG ASP D 0 470 -127.559 -32.053 36.895 1.00 47.04 21904 ODI ASP D 0 470 -127.874 -32.856 37.625 1.00 49.16 21905 ODZ ASP D 0 470 -125.043 -30.270 36.344 1.00 47.48 21907 O ASP D 0 470 -124.777 -30.538 38.010 1.00 45.48	21895	CD	GLU	D	469	-124.799	-29.453	31.914	1.00	45.94
21898 C GLU D 469 -127.012 -28.323 34.623 1.00 47.83 21899 O GLU D 469 -127.012 -28.323 35.58 1.00 48.11 21900 N ASP D 470 -126.679 -29.522 35.079 1.00 47.04 21901 CA ASP D 470 -126.422 -29.701 36.501 1.00 46.59 21903 CG ASP D 470 -127.510 -30.573 37.110 1.00 46.59 21904 ODI ASP D 470 -127.258 -32.053 36.695 1.00 47.45 21905 ODZ ASP D 470 -127.258 -32.507 36.634 1.00 47.48 21906 C ASP D 470 -126.466 -32.507 36.584 1.00 47.48 21907 O ASP D 470 -124.777 -30.538 38.010 1.00 45.18 21908 C ASP D 470 -124.777 -30.538 38.010 1.00 45.18 21908 C ASP D 470 -124.777 -30.538 38.010 1.00 45.18 21908 C ASP D 470 -124.777 -30.538 38.010 1.00 45.18 21908 C ASP D 470 -124.777 -30.538 38.010 1.00 45.18 21919 C A ASN D 471 -122.825 -30.972 36.693 1.00 45.03	21896	OE1	GLU	D	469	-124.655	-30.393	32.725	1.00	45.51
21899 O GLU D 469 -127.058 -27.328 35.358 1.00 48.11	21897	OE2	GLU	D	469	-124.838	-29.618	30.671	1.00	44.03
21900 N ASP D 470 -126.679 -29.522 35.079 1.00 47.04	21898	С	GLU	D	469	-127.012	-28.323	34.623	1.00	47.83
21901 CA	21899	0	GLU	D	469	-127.058	-27.328	35.358	1.00	48.11
21902 CB ASP D 470 -127.510 -30.573 37.110 1.00 46.59 21903 CG ASP D 470 -127.525 -32.053 36.895 1.00 47.45 21904 ODI ASP D 470 -127.874 -32.856 37.625 1.00 49.16 21905 ODZ ASP D 470 -126.466 -32.507 36.854 1.00 47.48 21906 C ASP D 470 -125.043 -30.270 36.854 1.00 45.48 21908 N ASN D 471 -124.189 -30.480 35.857 1.00 45.18 21908 N ASN D 471 -124.189 -30.480 35.857 1.00 45.03 21910 CB ASN D 471 -122.825 -30.972 36.933 1.00 45.03 21910 CB ASN D 471 -122.825 -30.972 36.933 1.00 45.03 21910 CB ASN D 471 -121.718 -28.741 35.955 1.00 43.13 21912 ODI ASN D 471 -121.718 -28.741 35.955 1.00 43.13 21912 ODI ASN D 471 -121.718 -28.741 35.955 1.00 43.13 21912 ODI ASN D 471 -122.173 -32.284 36.850 1.00 45.63 21915 O ASN D 471 -122.713 -32.284 36.850 1.00 45.97 21916 N SER D 472 -123.725 -33.135 36.712 1.00 45.97 21917 CA SER D 472 -123.725 -33.135 36.712 1.00 45.97 21918 CB SER D 472 -124.987 -35.216 37.141 1.00 45.83 21919 OG SER D 472 -124.987 -35.216 37.141 1.00 45.83 21919 OG SER D 472 -124.987 -35.216 37.141 1.00 45.83 21919 OG SER D 472 -124.987 -35.216 37.141 1.00 45.83 31919 OG SER D 472 -124.987 -35.216 37.141 1.00 45.83 31919 OG SER D 472 -125.255 -35.407 35.734 1.00 45.00 35.734 35.86 35.875 35.736	21900	N	ASP	D	470	-126.679	-29.522	35.079	1.00	47.04
21903 CG	21901	CA	ASP	D	470	-126.422	-29.701	36.501	1.00	46.35
21903 GC	21902	CB	ASP	D	470	-127.510	-30.573	37.110	1.00	46.59
21905 OZ ASP D 470 -126.466 -32.507 36.034 1.00 47.48		CG	ASP	D	470	-127.258	-32.053	36.895	1.00	47.45
21906 C	21904	OD1	ASP	D	470	-127.874	-32.856	37.625	1.00	49.16
21907 O	21905	OD2	ASP	D	470	-126.466	-32.507	36.034	1.00	47.48
21908 N	21906	С	ASP	D	470	-125.043	-30.270	36.854	1.00	45.48
21919 CA	21907	0	ASP	D	470	-124.777	-30.538	38.010	1.00	45.18
21919 CA	21908	N	ASN	D	471	-124.189	-30.480	35.857	1.00	45.37
21910 CB ASN D 471 -122.002 -29.909 36.820 1.00 44.74										
21911 CG ASN D 471 -121.718 -28.741 35.955 1.00 43.13 21912 ODI ASN D 471 -121.105 -28.887 34.912 1.00 43.43 21913 NDZ ASN D 471 -122.199 -27.572 36.347 1.00 43.86 21914 C ASN D 471 -122.713 -32.284 36.850 1.00 45.32 21915 O ASN D 471 -121.718 -32.519 37.555 1.00 45.32 21916 N SER D 472 -123.725 -33.135 36.712 1.00 45.97 21917 CA SER D 472 -123.686 -34.434 37.358 1.00 46.63 21918 OS SER D 472 -124.987 -35.216 37.114 1.00 46.83 21919 OS SER D 472 -125.252 -35.407 35.734 1.00 45.97 36.834 36.850 36.874 37.555 36.974 37.9										
21912 OD1 ASN D 471 -122.105 -28.887 34.912 1.00 43.43 21913 ND2 ASN D 471 -122.199 -27.572 36.347 1.00 43.86 21914 C ASN D 471 -122.713 -32.284 36.850 1.00 45.61 21915 O ASN D 471 -121.718 -32.519 37.555 1.00 45.32 21916 N SER D 472 -123.725 - 33.135 36.712 1.00 45.97 21917 CA SER D 472 -123.686 - 34.434 37.518 1.00 46.60 21918 CB SER D 472 -124.987 - 35.216 37.114 1.00 46.83 21919 OG SER D 472 -125.225 - 35.407 35.734 1.00 45.94										
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$										
21914 C ASN D 471 -122.713 -32.284 36.850 1.00 45.61 21915 O ASN D 471 -121.718 -32.519 37.555 1.00 45.61 21916 N SER D 472 -123.725 -33.135 36.712 1.00 45.97 21917 CA SER D 472 -123.686 -34.434 37.358 1.00 46.60 21918 CB SER D 472 -124.987 -35.216 37.114 1.00 46.83 21919 OG SER D 472 -125.225 -35.407 35.734 1.00 45.94										
21915 O ASN D 471 -121.718 -32.519 37.555 1.00 45.32 21916 N SER D 472 -123.725 -33.135 36.712 1.00 45.97 21917 CA SER D 472 -123.686 -34.434 37.358 1.00 46.83 21919 OS SER D 472 -124.987 -35.216 37.114 1.00 46.83 21919 OS SER D 472 -125.225 -35.407 35.734 1.00 45.94										
21916 N SER D 472 -123.725 -33.135 36.712 1.00 45.97 21917 CA SER D 472 -123.686 -34.434 37.358 1.00 46.60 21918 CB SER D 472 -124.987 -35.216 37.114 1.00 46.83 21919 OG SER D 472 -125.225 -35.407 35.734 1.00 45.94										
21917 CA SER D 472 -123.686 -34.434 37.358 1.00 46.60 21918 CB SER D 472 -124.987 -35.216 37.114 1.00 46.83 21919 OG SER D 472 -125.225 -35.407 35.734 1.00 45.94										
21918 CB SER D 472 -124.987 -35.216 37.114 1.00 46.83 21919 OG SER D 472 -125.225 -35.407 35.734 1.00 45.94										
21919 OG SER D 472 -125.225 -35.407 35.734 1.00 45.94										

FIGURE 3 PN

A	В	С	D	E	F	G	H	I	J
21921	0	SER	D	472	-121.896	-36.014	37.537	1.00	46.85
21922	N	ALA		473	-122.121	-34.932	35.585	1.00	47.64
21923	CA	ALA		473		-35.600	34.986	1.00	48.90
21924	CB	ALA			-120.887	-35.269	33.506	1.00	48.66
21925	C	ALA			-119.685	-35.206	35.712	1.00	49.86
21926	ō	ALA			-118.893		36.113	1.00	49.97
21927	N	LEU		474	-119.479		35.887	1.00	50.76
21928	CA	LEU		474	-118.289	-33.433	36.567	1.00	51.58
21929	CB	LEU		474	-118.187		36.495	1.00	51.66
21930	CG	LEU		474	-117.148	-31.285	37.433	1.00	51.70
21931	CD1	LEU		474	-115.768	-31.859	37.156	1.00	51.48
21932	CD2	LEU	D	474	-117.137	-29.783	37.282	1.00	52.13
21933	С	LEU	D	474	-118.329	-33.884	38.010	1.00	52.25
21934	0	LEU	D	474	-117.316	-34.287	38.563	1.00	52.55
21935	N	ASP		475	-119.510	-33.843	38.613	1.00	53.48
21936	CA	ASP	D	475	-119.647	-34.187	40.018	1.00	54.86
21937	CB	ASP	D	475	-121.095		40.483	1.00	54.92
21938	CG	ASP	D	475	-121.202	-33.806	41.979	1.00	55.85
21939	OD1	ASP	D	475	-121.574	-34.748	42.713	1.00	56.95
21940	OD2	ASP	D	475	-120.918	-32.714	42.517	1.00	57.34
21941	C	ASP	D	475	-119.215	-35.606	40.264	1.00	55.98
21942	0	ASP	D	475	-118.685	-35.926	41.330	1.00	56.18
21943	N	LYS	D	476	-119.457	-36.456	39.269	1.00	57.23
21944	CA	LYS	D	476	-119.158	-37.876	39.380	1.00	58.53
21945	CB	LYS	D	476	-119.741	-38.661	38.190	1.00	58.87
21946	CG	LYS	D	476	-119.473	-40.166	38.263	1.00	60.86
21947	CD	LYS	D	476	-119.859	-40.902	36.975	1.00	63.70
21948	CE	LYS	D	476	-121.293	-41.443	37.037	1.00	65.24
21949	NZ	LYS	D	476	-121.512	-42.417	38.155	1.00	65.26
21950	C	LYS	D	476	-117.668	-38.111	39.478	1.00	58.65
21951	0	LYS	D	476	-117.174	-38.640	40.478	1.00	58.69
21952	N	MET	D	477	-116.949	-37.705	38.439	1.00	59.23
21953	CA	MET	D	477	-115.508	-37.926	38.402	1.00	59.66
21954	CB	MET	D	477	-114.940	-37.608	37.026	1.00	59.96
21955	CG		D	477	-115.338	-36.270	36.493	1.00	60.64
21956	SD	MET	D	477	-115.119	-36.282	34.726	1.00	63.61
21957	CE	MET	D	477	-113.501	-37.031	34.565	1.00	63.14
21958	C	MET	D	477	-114.762	-37.165	39.485	1.00	59.47
21959	0	MET		477	-113.581	-37.411	39.712	1.00	59.77
21960	N	LEU		478	-115.464	-36.265	40.164	1.00	59.19
21961	CA	LEU		478	-114.884	-35.493	41.256	1.00	58.93
21962	CB		D	478	-115.536	-34.109	41.325	1.00	58.81
21963	CG	LEU		478	-114.692	-32.859	41.069	1.00	58.86
21964	CD1	LEU	D	478	-115.604	-31.684	40.734	1.00	58.24
21965	CD2	LEU		478	-113.647	-33.065	39.981	1.00	58.27
21966	С			478	-115.003		42.623	1.00	58.92
21967	0	LEU		478	-114.307		43.564	1.00	58.54
21968	N	GLN		479	-115.877	-37.152	42.751	1.00	59.09
21969	CA		D	479	-116.070	-37.774	44.062	1.00	59.11
21970	CB	GLN		479		-38.561	44.155	1.00	59.76
21971	CG	GLN	D	479	-118.090	-38.372	45.501	1.00	61.97

FIGURE 3 PO

21972 CD GLN D 479 -119.030 -39.524 45.872 1.00 65.23 21973 OE1 GLN D 479 -119.557 -40.221 44.998 1.00 66.31 21974 NE2 GLN D 479 -119.557 -40.221 44.998 1.00 66.31 21975 C GLN D 479 -114.879 -38.627 44.491 1.00 58.36 21976 O GLN D 479 -114.879 -38.627 44.491 1.00 58.36 21976 O GLN D 479 -114.891 -38.874 45.688 1.00 57.24 21978 CA ASN D 480 -112.788 -41.226 43.325 1.00 57.24 21980 CA ASN D 480 -112.788 -41.226 43.325 1.00 57.18 21980 CA ASN D 480 -112.788 -41.226 43.325 1.00 57.18 21980 CA ASN D 480 -112.788 -41.226 41.932 1.00 57.18 21980 CA ASN D 480 -112.788 -41.226 41.933 1.00 59.71 21981 OD1 ASN D 480 -112.788 -41.226 41.932 1.00 57.18 21982 ND2 ASN D 480 -111.793 -42.301 41.428 1.00 60.24 21982 ND2 ASN D 480 -111.628 -39.431 43.069 1.00 55.51 21984 O ASN D 480 -111.628 -39.431 43.069 1.00 55.51 21985 O ASN D 480 -111.628 -39.431 43.069 1.00 55.51 21985 O VAL D 481 -110.523 -36.817 44.069 1.00 53.34 21980 CG VAL D 481 -110.523 -36.817 44.069 1.00 53.34 21980 CG VAL D 481 -110.594 -36.009 45.533 1.00 52.30 21990 C VAL D 481 -110.594 -36.009 45.533 1.00 52.30 21991 O VAL D 481 -110.594 -36.009 45.533 1.00 52.30 21992 C VAL D 481 -110.594 -36.009 45.533 1.00 52.30 21995 CG GLN D 482 -108.402 -35.884 46.029 1.00 51.18 41.929 42.920 42.92	A	В	С	D	E	F	G	H	I	J
21913 OE1 GLIN D 479	21972	CD	GLN	D	479	-119.030	-39.524	45.872	1.00	65.23
21974 NE2 GLN D 479										
21975 C										
21976 O										
21917 N										
21978 CA ASN D 480 -112.867 -39.798 43.901 1.00 56.76										
21919 CB										
21980 CG										
21981 ODI ASN D 480										
21982 ND2 ASN D 480										
21983 C										
21984 O										
21985 N VAL D 481										
21986 CA VAL D 481 -110.523 -36.817 44.069 1.00 53.34										
21987 CB										
21988 CG2 VAL D 481 -111.781 -35.649 42.243 1.00 54.08	21987	CB	VAL	D	481	-110.428	-35.930		1.00	
21989 CG2 VAL D 481										
21990 C										
21991 O										
21992 N GLN D 482										
21993 CA GLN D 482 -108.410 -35.154 47.283 1.00 49.86 21995 CG GLN D 482 -108.156 -35.574 48.058 1.00 49.82 21995 CG GLN D 482 -108.002 -37.060 48.243 1.00 49.82 49.86 21997 CEI GLN D 482 -107.077 -37.558 55.384 1.00 50.82 21998 NEZ GLN D 482 -107.077 -37.558 55.384 1.00 50.82 21999 CEI GLN D 482 -105.659 -37.583 48.632 1.00 48.75 22000 CEIN D 482 -109.440 -33.651 47.000 1.00 49.29 22001 N MET D 483 -110.846 -31.737 46.677 1.00 49.35 49.2002 CA MET D 483 -112.666 -32.154 44.444 1.00 45.99 49.2006 CE MET D 483 -112.266 -30.69 42.717 1.00 43.82 22006 CE MET D 483 -112.266 -30.069 42.717 1.00 45.66 49.2000 CE MET D 483 -112.266 -30.069 42.717 1.00 45.76 49.2000 CE MET D 483 -112.266 -30.069 42.717 1.00 45.76 49.2000 CE MET D 483 -112.266 -30.069 42.717 1.00 45.76 49.2000 CE MET D 483 -112.266 -30.069 42.717 1.00 43.82 42.000 CE MET D 483 -112.286 -30.069 42.717 1.00 43.82 42.000 CE MET D 483 -112.286 -30.069 42.717 1.00 43.82 43.344 1.00 45.76 43.2000 CE MET D 483 -112.291 -29.692 47.605 1.00 44.73 42.001 CE PRO D 484 -110.291 -29.692 47.605 1.00 44.73 42.001 CE CE CE CE CE CE CE C										
21994 CB GLN D 482 -108.156 -35.547 48.058 1.00 49.82 21995 CG GLN D 482 -108.020 -37.060 48.243 1.00 49.57 21996 CD GLN D 482 -108.0667 -37.426 49.179 1.00 49.43 21997 CEI GLN D 482 -105.659 -37.558 50.384 1.00 50.82 21998 NE2 GLN D 482 -105.659 -37.558 50.384 1.00 48.75 21999 C GLN D 482 -105.659 -37.558 48.632 1.00 48.75 21999 C GLN D 482 -109.440 -33.651 47.000 1.00 49.29 22000 O GLN D 482 -108.401 -32.975 46.982 1.00 49.25 22001 N NET D 483 -110.645 -33.144 46.758 1.00 47.92 22002 C NET D 483 -112.204 -31.537 45.790 1.00 46.16 22005 SD MET D 483 -112.204 -31.537 45.790 1.00 45.56 22005 SD MET D 483 -111.454 -31.322 43.334 1.00 45.79 22006 CE MET D 483 -111.226 -30.069 42.717 1.00 43.82 22007 C MET D 483 -111.245 -31.322 43.334 1.00 45.75 22009 N PRO D 484 -110.291 -29.669 47.605 1.00 45.75 22010 CA PRO D 484 -110.197 -28.766 48.201 1.00 44.12 22011 CB PRO D 484 -109.288 -27.666 48.201 1.00 44.68 42.014 CB PRO D 484 -110.197 -28.766 48.201 1.00 43.84 22014 C PRO D 484 -110.597 -29.669 48.201 1.00 43.84 22015 O PRO D 484 -110.597 -26.669 48.201 1.00 43.84 22016 N SER D 485 -111.750 -25.669 50.599 1.00 42.75 22016 O PRO D 484 -111.597 -26.669 50.599 1.00 42.75 22018 C SER D 485 -111.750 -25.366 50.998 1.00 42.75 22019 OC SER D 485 -111.376 -26.6694 52.952 1.00 43.69 22020 C SER D 485 -111.376 -26.6694 52.952 1.00 43.69 22020 C SER D 485 -111.376 -26.6694 52.952 1.00 43.69 22020 C SER D 485 -111.376 -26.6694 52.952 1.00 43.69 22020 C SER D 485 -111.376 -26.6694 52.952 1.00 43.69 22020 C SER D 485 -111.376										
21995 CG GIN D 482 -108.002 - 37.060 48.243 1.00 49.57										
21996 CD GLN D 482 -106.867 -37.426 49.179 1.00 49.43										
21997 OE1 GLN D 482 -107.077 -37.558 50.384 1.00 50.82										
21998 NEZ GIN D 482 -105.659 -37.583 48.632 1.00 48.75										
21999 C										
22000 O										
22001 N NET D 483 -110.645 -33.144 46.758 1.00 47.92 22002 Ch NET D 483 -110.854 -31.737 46.467 1.00 46.56 22003 CB NET D 483 -112.260 -32.154 44.444 1.00 46.56 22004 CG NET D 483 -111.260 -32.154 44.444 1.00 45.99 22005 SD NET D 483 -111.54 -31.322 43.334 1.00 45.75 22007 C NET D 483 -111.54 -31.322 43.344 1.00 45.76 22007 C NET D 483 -112.226 -30.069 42.717 1.00 43.82 22007 C NET D 483 -110.86 -30.911 47.322 1.00 45.75 22008 D NET D 483 -110.243 -31.360 48.796 1.00 45.75 22010 D PRO D 484 -110.197 -28.767 48.371 1.00 44.12 22011 CB PRO D 484 -109.288 -27.666 48.201 1.00 44.61 22012 CC PRO D 484 -109.755 -22.172 49.044 1.00 43.62 22014 C PRO D 484 -115.55 -28.172 49.044 1.00 43.62										
22002 CA NET D 483										
22003 CB NET D 483 -112.204 -31.537 45.790 1.00 46.16 22004 CG MET D 483 -112.260 -32.154 44.444 1.00 45.99 22005 SD MET D 483 -111.154 -31.322 43.334 1.00 45.79 22007 C MET D 483 -112.226 -30.069 42.717 1.00 43.82 22009 N MET D 483 -112.226 -30.069 42.717 1.00 45.75 22009 N PRO D 484 -112.243 -31.360 48.966 1.00 45.75 22010 C PRO D 484 -110.197 -28.766 48.201 1.00 44.12 22011 CB PRO D 484 -109.288 -27.666 48.201 1.00 44.11 22012 CG PRO D										
22004 CG NET D 483 -1112.260 -32.154 44.444 1.00 45.99 22005 SD NET D 483 -111.54 -31.32 43.334 1.00 45.79 22007 C NET D 483 -111.22 26.30.069 42.717 1.00 43.82 22008 O MET D 483 -111.293 -33.34 64.796 1.00 45.76 22010 O PRO D 484 -110.291 -29.692 47.605 1.00 44.73 22011 CB PRO D 484 -110.291 -29.692 47.605 1.00 44.73 22011 CB PRO D 484 -110.291 -29.692 47.605 1.00 44.73 22012 CG PRO D 484 -109.288 -27.666 48.201 1.00 44.11 22014 C PRO D 4										
22005 SD NET D 483 -111.154 -31.322 43.334 1.00 45.71 22007 C MET D 483 -112.226 -30.069 42.717 1.00 43.82 22008 O MET D 483 -110.806 -30.911 47.732 1.00 45.75 22009 N PRO D 484 -110.291 -29.692 47.605 1.00 45.75 22011 CB PRO D 484 -110.197 -28.767 48.737 1.00 44.12 22011 CB PRO D 484 -109.485 -27.666 48.201 1.00 44.12 22013 CB PRO D 484 -109.485 -27.666 46.732 1.00 44.18 22014 C PRO D 484 -111.550 -28.172 49.044 1.00 43.58 22014 C PRO D 4										
22006 CE NET 0 483 -112.226 -30.069 42.717 1.00 43.82 22007 C NET D 483 -110.806 -30.911 47.732 1.00 45.75 22008 O MET D 483 -111.243 -31.360 48.796 1.00 45.75 22010 C PRO D 484 -110.291 -29.692 47.005 1.00 44.73 22011 C PRO D 484 -109.288 -27.666 48.201 1.00 44.11 22012 C PRO D 484 -109.288 -27.666 46.732 1.00 44.11 22013 C PRO D 484 -109.755 -29.113 46.361 1.00 43.68 22014 C PRO D 484 -111.550 -28.172 49.044 1.00 43.51 22016 N SER D 485<										
22007 C NET D 483										
22008 O NET D 483 -111.243 -31.360 48.796 1.00 45.75 22010 CA PRO D 484 -110.291 -29.692 47.605 1.00 44.73 22011 CB PRO D 484 -110.197 -28.767 48.737 1.00 44.12 22012 CG PRO D 484 -109.288 -27.666 48.737 1.00 43.19 22013 CD PRO D 484 -109.789 -29.113 46.561 1.00 43.69 22014 C PRO D 484 -115.550 -28.172 49.044 1.00 43.61 22015 O PRO D 484 -111.550 -28.172 49.044 1.00 43.63 22015 O PRO D 484 -112.436 -28.225 48.197 1.00 43.84 22016 N SER D 485 -112.722 -27.612 50.231 1.00 42.95 22017 CA SER D 485 -112.970 -26.908 50.509 1.00 42.75 22018 OS SER D 485 -113.632 -27.331 51.812 1.00 42.78 22020 C SER D 485 -113.632 -25.366 50.498 1.00 42.19 22020 C SER D 485 -113.632 -24.833 50.312 1.00 42.19 <td></td>										
22009 N PRO D 484 -110.291 -29.692 47.605 1.00 44.73 22010 CA PRO D 484 -110.197 -28.767 48.737 1.00 44.12 22012 CB PRO D 484 -109.288 -27.666 48.201 1.00 44.12 22013 CD PRO D 484 -109.485 -27.666 46.732 1.00 43.89 22014 C PRO D 484 -111.550 -28.172 49.044 1.00 43.51 22015 O PRO D 484 -111.550 -28.172 49.044 1.00 43.51 22016 N SER D 485 -111.722 -27.612 50.231 1.00 43.84 22018 CB SER D 485 -111.722 -27.612 50.231 1.00 42.75 22018 CB SER D 485 -113.363 227.931 51.812 1.00 42.78										
22010 CA										
22011 CB										
22012 CG PRO D 484 -109.485 -27.686 46.732 1.00 43.89 22013 CD PRO D 484 -109.759 -29.113 46.361 1.00 44.68 22014 C PRO D 484 -111.550 -28.172 49.044 1.00 43.51 22015 O PRO D 484 -112.436 -28.225 48.197 1.00 43.84 22016 N SER D 485 -112.720 -27.612 50.231 1.00 42.75 22018 CB SER D 485 -112.970 -26.908 50.509 1.00 42.75 22019 OG SER D 485 -113.176 -26.684 52.952 1.00 43.62 22020 C SER D 485 -112.750 -25.386 50.498 1.00 42.19 22021 O SER D 485 -113.176 -26.684 52.952 1.00 42.76 22020 O SER D 485 -116.532 -27.489 50.312 1.00 42.78										
22013 CD PRO D 484 -110.97.59 -29.113 46.361 1.00 44.68 22014 C PRO D 484 -111.550 -28.172 49.044 1.00 43.51 22015 O PRO D 484 -111.722 -27.612 50.221 1.00 42.90 22017 CA SER D 485 -111.722 -27.612 50.221 1.00 42.90 22017 CA SER D 485 -112.970 -26.908 50.509 1.00 42.75 22018 CB SER D 485 -113.632 -27.391 51.812 1.00 42.78 22019 OG SER D 485 -113.676 -26.624 52.952 1.00 43.62 22020 C SER D 485 -113.632 -24.839 50.312 1.00 42.19 22021 O SER D 485 -113.632 -24.839 50.312 1.00 41.86										
22014 C PRO D 484 -111.550 -28.172 49.044 1.00 43.51 22015 O PRO D 484 -112.436 -28.225 48.197 1.00 43.84 22016 N SBR D 485 -111.722 -27.612 50.231 1.00 42.90 22017 CA SBR D 485 -112.970 -26.908 50.509 1.00 42.75 22018 CB SBR D 485 -113.376 -26.694 52.952 1.00 42.78 22019 OG SBR D 485 -113.176 -26.684 52.952 1.00 43.62 22020 C SBR D 485 -1112.750 -25.366 50.498 1.00 42.19 22021 O SBR D 485 -1116.632 -24.489 50.312 1.00 41.86										
22015 O PRO 0 484 -112.436 -28.225 48.197 1.00 43.84 22016 N SER D 117.22 -27.612 50.231 1.10 42.95 22017 CA SER D 485 -112.970 -26.908 50.509 1.00 42.75 22018 CB SER D 485 -113.632 -27.331 51.612 1.00 42.78 22019 OS SER D 485 -117.67 -62.634 52.952 1.00 42.19 22021 O SER D 485 -112.750 -25.386 50.498 1.00 42.19 22021 O SER D 485 -113.632 -24.839 50.312 1.00 41.69										
22016 N SER D 485 -111.722 -27.612 50.231 1.00 42.90 22017 CA SER D 485 -112.970 -26.908 50.509 1.00 42.75 22018 CB SER D 485 -113.632 -27.391 51.812 1.00 42.78 22019 0G SER D 485 -113.176 -26.684 52.952 1.00 43.62 22020 C SER D 485 -112.750 -25.386 50.498 1.00 42.19 22021 0 SER D 485 -111.632 -24.893 50.312 1.00 41.86										
22017 CA SER D 485 -112.970 -26.908 50.509 1.00 42.75 22018 CB SER D 485 -113.632 -27.391 51.812 1.00 42.78 22019 OG SER D 485 -113.176 -26.684 52.952 1.00 43.62 22020 C SER D 485 -112.750 -25.386 50.498 1.00 42.19 22021 O SER D 485 -113.632 -24.893 50.312 1.00 41.86										
22018 CB SER D 485 -113.632 -27.391 51.812 1.00 42.78 22019 OG SER D 485 -113.176 -26.684 52.952 1.00 43.62 22020 C SER D 485 -112.750 -25.386 50.498 1.00 42.19 22021 O SER D 485 -111.632 -24.893 50.312 1.00 41.86										
22019 OG SER D 485 -113.176 -26.684 52.952 1.00 43.62 22020 C SER D 485 -112.750 -25.386 50.498 1.00 42.19 22021 O SER D 485 -111.632 -24.893 50.312 1.00 41.86										
22020 C SER D 485 -112.750 -25.386 50.498 1.00 42.19 22021 O SER D 485 -111.632 -24.893 50.312 1.00 41.86										
22021 O SER D 485 -111.632 -24.893 50.312 1.00 41.86										
		N	LYS	D	486		-24.640			

FIGURE 3 PP

A	В	С	D	Е	F	G	H	I	J
22023	CA	LYS	D	486	-113.741	-23.195	50.686	1.00	40.78
22024	CB	LYS		486	-114.442	-22.654	49.452	1.00	40.90
22025	CG	LYS				-21.320	48.975	1.00	41.55
22026	CD			486	-115.021	-20.426	48.472	1.00	40.25
22027	CE			486	-114.611	-19.660	47.244	1.00	39.87
22028	NZ			486	-115.636		46.873	1.00	39.43
22029	С	LYS		486		-22.643	51.925	1.00	40.36
22030	ŏ	LYS	D	486	-115.550	-22.959	52.210	1.00	41.08
22031	N	LYS	D	487	-113.690		52.674	1.00	39.57
22032	CA	LYS		487	-114.273	-21.202	53.839	1.00	39.62
22033	CB			487		-21.440	55.084	1.00	39.82
22034	CG	LYS		487	-113.183	-20.201	55.917	1.00	41.25
22035	CD	LYS		487		-20.210	57.219	1.00	43.92
22036	CE			487		-20.381	58.418	1.00	45.08
22037	NZ	LYS		487		-19.919	59.680	1.00	46.72
22038	C			487	-114.409		53.518	1.00	39.47
22039	ŏ	LYS		487	-113.460		53.073	1.00	39.19
22040	N	LEU		488	-115.612	-19.204	53.694	1.00	39.33
22041	CA	LEU		488	-115.901	-17.821	53.388	1.00	39.38
22042	CB	LEU			-116.982	-17.730	52.315	1.00	38.75
22043	CG			488		-16.321	52.013	1.00	38.45
22044	CD1	LEU		488	-116.420		51.271	1.00	35.08
22045	CD2	LEU		488	-118.762	-16.400	51.225	1.00	35.39
22046	C			488	-116.371	-17.176	54.670	1.00	40.14
22047	0	LEU		488		-17.446	55.153	1.00	39.95
22048	N	ASP		489	-115.528		55.236	1.00	40.97
22049	CA			489	-115.842	-15.747	56.514	1.00	42.21
22050	CB	ASP		489	-115.194	-16.578	57.625	1.00	42.33
22051	CG	ASP		489	-116.020	-16.614	58.877	1.00	43.32
22052	OD1	ASP		489	-115.962	-17.644	59.590	1.00	46.30
22053	OD2	ASP		489	-116.772	-15.677	59.223	1.00	43.96
22054	C	ASP		489	-115.302	-14.331	56.543	1.00	42.65
22055	0	ASP		489	-114.798	-13.834	55.547	1.00	42.81
22056	N	PHE		490		-13.692	57.697	1.00	43.33
22057	CA	PHE	D	490	-114.902	-12.341	57.811	1.00	44.25
22058	CB	PHE		490	-116.082	-11.381	57.802	1.00	44.26
22059	CG	PHE		490	-117.097	-11.679	58.855	1.00	45.55
22060	CD1	PHE	D	490	-118.185	-12.488	58.574	1.00	46.52
22061	CE1	PHE		490		-12.771	59.548	1.00	47.79
22062	CZ	PHE		490	-118.981	-12.250	60.831	1.00	47.73
22063	CE2	PHE	D	490	-117.895	-11.451	61.124	1.00	48.42
22064	CD2	PHE	D	490		-11.167	60.133	1.00	47.31
22065	C	PHE	D	490	-114.130	-12.170	59.097	1.00	44.63
22066	0	PHE	D	490		-12.977	60.012	1.00	44.70
22067	N	ILE	D	491	-113.310		59.150	1.00	45.06
22068	CA	ILE		491		-10.758	60.380	1.00	45.82
22069	CB	ILE		491		-10.848	60.269	1.00	45.63
22070	CG1	ILE		491	-110.586	-9.894	59.195	1.00	44.97
22071	CD1	ILE		491	-109.118	-9.597	59.301	1.00	44.84
22072	CG2	ILE		491		-12.279	60.010	1.00	45.05
22073	C			491	-113.051	-9.339	60.668		46.97
_		_		-		-	-	-	

FIGURE 3 PQ

A	В	C	D	Е		F		G		Н	I		J
22074	0	ILE	D	491	-1	13.62	3	-8.662	59	.805	1.0	0	47.13
22075	N	ILE	D	492	-1	12.78	5	-8.880	61	.878	1.0	0	48.24
22076	CA	ILE	D	492	-1	13.19	6	-7.539	62	.257	1.0	0	49.65
22077	CB	ILE	D	492	-1	14.08	3	-7.594	63	.515	1.0	0	49.69
22078	CG1	ILE	D	492	-1	15.38	8	-8.340	63	.227	1.0	0	50.20
22079	CD1	ILE	D	492		16.57		-7.802	64	.028	1.0	0	51.67
22080	CG2	ILE	D	492	-1	14.40	7	-6.194	63	.986	1.0	0	50.11
22081	C	ILE	D	492		11.97		-6.650		.469	1.0		50.37
22082	0	ILE	D	492		11.15		-6.918		.349	1.0		50.50
22083	N	LEU		493		11.85		-5.601		.652	1.0		51.54
22084	CA	LEU	D	493		10.69		-4.701		.712	1.0		52.52
22085	CB	LEU		493		10.18		-4.341		.317			52.24
22086	CG	LEU	D	493		08.91		-5.146		.058	1.0		52.45
22087	CD1 CD2	LEU	D	493		08.68		-5.458		.593	1.0		51.55
22088 22089	C D2	LEU	D D	493 493		08.96 10.86		-6.428 -3.466		.603	1.0		53.26 53.48
22089	0	LEU		493		10.86		-3.400		.823	1.0		53.48
22090	N	ASN	D	494		10.92		-2.258		.057	1.0		54.20
22092	CA	ASN	D	494		11.13		-1.164		.993	1.0		54.48
22093	CB	ASN		494		11.20		0.200		.314	1.0		55.01
22094	CG	ASN	D	494		09.88		0.958		.401	1.0		56.92
22095	OD1	ASN		494		09.45		1.342		.490	1.0		59.72
22096	ND2			494		09.23		1.170		.260	1.0		58.60
22097	C	ASN	D	494		12.39		-1.541	63	.762	1.0	0	54.11
22098	0	ASN	D	494	-1	12.32	4	-2.095	64	.861	1.0	0	54.46
22099	N	GLU	D	495	-1	13.55	7	-1.298	63	.174	1.0	0	53.65
22100	CA	GLU	D	495		14.78		-1.772		.787	1.0		53.11
22101	CB	GLU	D	495		15.61		-0.612		.336	1.0		54.09
22102	CG	GLU	D	495		16.55		-1.027		.455	1.0		56.83
22103	CD	GLU	D	495		15.81		-1.225		.764	1.0		60.74
22104	OE1	GLU	D	495		15.35		-0.204		.326	1.0		62.68
22105 22106	OE2 C	GLU	D	495 495		15.69 15.57		-2.390 -2.506		.728	1.0		62.25
22106	0	GLU	D	495		16.67		-2.506		.984	1.0		51.60
22107	N	THR		495		14.99		-2.607		.532	1.0		49.33
22100	CA	THR		496		15.73		-3.155		.404	1.0		46.76
22110	CB	THR	D	496		15.64		-2.205		.174	1.0		46.89
22111	OG1	THR		496		14.33		-2.268		.610	1.0		47.10
22112	CG2	THR	D	496		15.76		-0.750		.604	1.0		46.58
22113	C	THR	D	496		15.41		-4.596		.007	1.0		44.94
22114	0	THR	D	496	-1	14.31	0	-5.103		.190	1.0	0	44.71
22115	N	LYS	D	497	-1	16.43	2	-5.229	59	.450	1.0	0	42.85
22116	CA	LYS	D	497	-1	16.38	9	-6.584	58	.954	1.0	0	40.72
22117	CB	LYS	D	497		17.83		-7.010		.705	1.0		41.43
22118	CG	LYS	D	497		18.23		-8.401		.150	1.0		43.19
22119	CD	LYS	D	497		19.54		-8.317		.940	1.0		44.70
22120	CE	LYS	D	497		20.51		-9.436		.581	1.0		46.88
22121	NZ	LYS	D D	497		21.82		-9.209		.266	1.0		47.14
22122 22123	C	LYS		497 497		15.66 16.02		-6.549 -5.783		.618	1.0		38.35
22123	N			498		14.63		-7.357		.464	1.0		35.89
CC1C4	TA	EIIG	D	120	-1	14.03	-	1.331	51	.404	1.0		55.09

FIGURE 3 PR

A	В	С	D	Е	F	G	H	I	J
22125	CA	PHE	D	498	-113.940	-7.479	56.194	1.00	33.69
22126	CB	PHE		498	-112.538	-6.882	56.251	1.00	33.54
22127	CG			498	-112.530	-5.388	56.233	1.00	33.09
22128	CD1	PHE		498	-112.820	-4.705	55.075	1.00	32.69
22129	CE1	PHE		498	-112.833	-3.315	55.052	1.00	32.08
22130	CZ	PHE		498	-112.555	-2.609	56.197	1.00	33.54
22131	CE2	PHE		498	-112.269	-3.286	57.373	1.00	32.77
22132	CD2			498	-112.263	-4.665	57.386	1.00	32.47
22133	C	PHE		498	-113.892	-8.949	55.889	1.00	32.73
22134	ō	PHE		498	-113.480	-9.749	56.735	1.00	32.65
22135	N	TRP			-114.311	-9.299	54.681	1.00	31.63
22136	CA	TRP	D	499	-114.424	-10.691	54.261	1.00	31.01
22137	CB	TRP		499	-115.607	-10.847	53.308	1.00	31.14
22138	CG	TRP			-116.912	-10.612	53.987	1.00	31.28
22139	CD1	TRP		499	-117.454	-9.408	54.333	1.00	30.35
22140	NE1	TRP	D	499	-118.661	-9.597	54.962	1.00	31.03
22141	CE2	TRP	D	499	-118.916	-10.944	55.037	1.00	32.13
22142	CD2	TRP	D	499	-117.832	-11.610	54.434	1.00	31.56
22143	CE3	TRP	D	499	-117.848	-13.007	54.390	1.00	33.17
22144	CZ3	TRP	D	499	-118.930	-13.683	54.927	1.00	32.84
22145	CH2	TRP	D	499	-119.996	-12.986	55.513	1.00	32.25
22146	CZ2	TRP	D	499	-120.010	-11.625	55.573	1.00	31.84
22147	C	TRP	D	499	-113.190	-11.274	53.607	1.00	30.65
22148	0	TRP	D	499	-112.428	-10.574	52.949	1.00	30.69
22149	N	TYR	D	500	-113.016	-12.580	53.789	1.00	30.45
22150	CA	TYR	D	500	-111.914	-13.302	53.214	1.00	30.20
22151	CB	TYR	D	500	-110.790	-13.445	54.234	1.00	30.96
22152	CG	TYR	D	500	-111.094	-14.361	55.402	1.00	30.58
22153	CD1	TYR	D	500	-110.852	-15.720	55.309	1.00	31.42
22154	CE1	TYR	D	500	-111.109	-16.571	56.357	1.00	32.91
22155	CZ	TYR	D	500	-111.616	-16.073	57.542	1.00	34.02
22156	OH	TYR			-111.857		58.578	1.00	34.89
22157	CE2	TYR			-111.865	-14.708	57.673	1.00	31.52
22158	CD2	TYR			-111.603		56.600	1.00	31.02
22159	C	TYR			-112.409		52.843	1.00	30.46
22160	0	TYR			-113.439		53.346	1.00	30.38
22161	N	GLN			-111.685		51.943	1.00	30.25
22162	CA	GLN			-111.965		51.593	1.00	29.73
22163	CB	GLN			-112.640		50.227	1.00	29.03
22164	CG	GLN			-111.724	-16.668	49.024	1.00	
22165	CD	GLN			-112.467		47.703	1.00	23.64
22166	OE1	GLN			-113.668		47.614	1.00	
22167	NE2	GLN		501	-111.759		46.689	1.00	19.81
22168	C	GLN			-110.653		51.648	1.00	30.51
22169	0	GLN			-109.569		51.534	1.00	30.08
22170	N	MET		502	-110.766		51.877	1.00	31.53
22171	CA	MET		502	-109.622		51.953	1.00	32.54
22172	CB	MET		502	-109.324		53.404	1.00	32.70
22173	CG	MET		502	-108.513		54.188	1.00	34.45
22174	SD	MET		502	-108.298		55.914	1.00	35.68
22175	CE	MET	D	502	-107.112	-18.330	56.520	1.00	34.73

FIGURE 3 PS

A	В	С	D	E		F	G	H	I	J
22176	С	MET	D	502	-109	930	-20.951	51.188	1.00	33.44
22177	0	MET		502			-21.568	51.401	1.00	33.39
22178	N			503			-21.321	50.276	1.00	34.24
22179	CA	ILE		503			-22.600	49.625	1.00	35.32
22180	СВ	ILE		503	-108		-22.555	48.237	1.00	35.54
22181	CG1	ILE		503	-109		-21.318	47.470	1.00	35.46
22182	CD1	ILE		503	-110		-21.194	47.404	1.00	34.04
22183	CG2			503			-23.835	47.467	1.00	34.63
22184	C	ILE		503			-23.510	50.541	1.00	36.69
22185	Õ	ILE		503	-107		-23.450	50.581	1.00	36.53
22186	N			504	-109		-24.332	51.313	1.00	38.09
22187	CA	LEU		504	-108		-25.207	52.279	1.00	38.64
22188	СВ	LEU			-109		-25.379	53.491	1.00	38.53
22189	CG			504	-109.	571	-24.066	54.222	1.00	38.04
22190	CD1	LEU			-110		-24.193	55.242	1.00	36.84
22191	CD2	LEU	D	504	-108	285	-23.587	54.884	1.00	38.21
22192	С			504	-108		-26.551	51.688	1.00	39.40
22193	ō	LEU			-108		-27.132	50.983	1.00	39.88
22194	N	PRO	D	505	-106.	857	-27.021	51.937	1.00	40.67
22195	CA	PRO	D	505	-106.	436	-28.366	51.525	1.00	41.89
22196	CB	PRO	D	505	-105.	048	-28.497	52.153	1.00	41.89
22197	CG	PRO	D	505	-104.	568	-27.097	52.306	1.00	41.09
22198	CD			505	-105.	777	-26.277	52.611	1.00	40.38
22199	С	PRO			-107.		-29.432	52.129	1.00	43.15
22200	0	PRO	D	505	-107.	765	-29.284	53.282	1.00	42.92
22201	N	PRO	D	506	-107.	661	-30.471	51.359	1.00	44.38
22202	CA	PRO	D	506	-108.	512	-31.576	51.821	1.00	45.63
22203	CB	PRO	D	506	-108.	338	-32.628	50.713	1.00	45.81
22204	CG	PRO	D	506	-107.	133	-32.141	49.920	1.00	44.97
22205	CD	PRO	D	506	-107.	248	-30.661	49.959	1.00	44.76
22206	C	PRO	D	506	-108.	060	-32.138	53.167	1.00	46.50
22207	0	PRO	D	506	-106.	859	-32.206	53.420	1.00	46.58
22208	N	HIS	D	507	-109.	010	-32.515	54.019	1.00	47.48
22209	CA	HIS	D	507	-108.	696	-33.051	55.351	1.00	48.38
22210	CB	HIS	D	507	-107.	.775	-34.271	55.253	1.00	48.50
22211	CG	HIS	D	507			-35.249	54.192	1.00	49.31
22212	ND1	HIS	D	507			-35.702	54.053	1.00	49.86
22213	CE1	HIS	D	507	-109.	546	-36.537	53.031	1.00	50.44
22214	NE2			507			-36.645	52.503	1.00	50.57
22215	CD2			507	-107.		-35.851	53.211	1.00	49.82
22216	C			507	-108.		-31.971	56.218	1.00	48.86
22217	0	HIS		507	-107.		-32.255	57.172	1.00	49.17
22218	N	PHE		508	-108.		-30.722	55.873	1.00	49.26
22219	CA	PHE		508			-29.590	56.615	1.00	49.25
22220	CB	PHE		508	-108.		-28.344	56.310		49.03
22221	CG	PHE		508	-108.		-27.149	57.094	1.00	48.15
22222	CD1	PHE		508			-26.739	57.106	1.00	47.86
22223	CE1	PHE		508	-106.		-25.648	57.837	1.00	46.02
22224	CZ	PHE		508	-107.		-24.943	58.556	1.00	48.39
22225	CE2	PHE		508	-108.		-25.342	58.553		48.71
22226	CD2	PHE	D	508	-109.	178	-26.443	57.828	1.00	47.35

FIGURE 3 PT

A	В	С	D	Е	F	G	H	I	J
22227	С	PHE	D	508	-107.857	-29.910	58.101	1.00	49.48
22228	0	PHE		508	-108.861	-30.396	58.617	1.00	49.51
22229	N	ASP			-106.754		58.780	1.00	49.87
22230	CA	ASP			-106.582	-29.939	60.196	1.00	50.47
22231	CB	ASP			-105.602	-31.119	60.309	1.00	50.55
22232	CG	ASP			-105.216		61.747	1.00	50.89
22233	OD1	ASP			-105.729		62.708	1.00	51.30
22234	OD2	ASP			-104.389		62.003	1.00	50.81
22235	C	ASP			-106.055		60.937	1.00	50.61
22236	ō	ASP			-104.914	-28.329	60.762	1.00	51.02
22237	N	LYS			-106.884		61.778	1.00	51.30
22238	CA	LYS			-106.497		62.511	1.00	51.94
22239	CB	LYS			-107.683	-26.370	63.308	1.00	52.13
22240	CG	LYS			-108.946	-26.229	62.476	1.00	53.76
22241	CD	LYS			-109.630		62.196	1.00	55.82
22242	CE			510	-110.779	-27.432	61.182	1.00	56.53
22243	NZ			510	-111.306		60.657	1.00	56.25
22244	С	LYS	D	510	-105.274	-27.117	63.414	1.00	51.89
22245	0	LYS	D	510	-104.624	-26.139	63.823	1.00	52.13
22246	N	SER	D	511	-104.987	-28.385	63.718	1.00	51.76
22247	CA	SER	D	511	-103.810	-28.790	64.483	1.00	51.57
22248	CB	SER	D	511	-103.806	-30.326	64.722	1.00	51.56
22249	OG			511	-104.808		65.636	1.00	52.43
22250	С			511	-102.566		63.678	1.00	50.79
22251	0	SER	D	511	-101.568	-27.977	64.221	1.00	50.95
22252	N	LYS	D	512	-102.631	-28.712	62.376	1.00	49.63
22253	CA	LYS	D	512	-101.477	-28.545	61.486	1.00	48.88
22254	CB	LYS	D	512	-101.690	-29.310	60.170	1.00	48.91
22255	CG	LYS	D	512	-101.353	-30.796	60.237	1.00	49.94
22256	CD	LYS	D	512	-101.394	-31.479	58.853	1.00	50.87
22257	CE	LYS	D	512	-100.707	-32.853	58.905	1.00	52.87
22258	NZ	LYS	D	512	-101.267	-33.870	57.941	1.00	54.85
22259	C	LYS	D	512	-101.101	-27.094	61.188	1.00	47.84
22260	0	LYS	D	512	-101.847	-26.163	61.472	1.00	47.97
22261	N	LYS			-99.920	-26.902	60.627	1.00	46.79
22262	CA	LYS	D	513	-99.504		60.251	1.00	45.61
22263	CB	LYS	D	513	-98.282	-25.121	61.044	1.00	45.55
22264	CG	LYS			-98.603		62.497	1.00	46.64
22265	CD	LYS			-97.743		63.075	1.00	46.94
22266	CE	LYS			-98.316	-23.259	64.399	1.00	49.00
22267	NZ			513	-98.235		64.532	1.00	49.85
22268	С	LYS			-99.255		58.757	1.00	44.59
22269	0	LYS			-98.264		58.267	1.00	44.12
22270	N	TYR			-100.171		58.020	1.00	43.69
22271	CA	TYR			-100.033		56.570	1.00	43.23
22272	CB	TYR			-101.392		55.892	1.00	43.28
22273	CG			514	-102.168		56.231	1.00	43.54
22274	CD1	TYR			-102.218		55.351	1.00	43.92
22275	CE1	TYR			-102.933		55.649	1.00	45.73
22276	CZ			514	-103.620		56.841	1.00	45.89
22277	OH	TYR	D	514	-104.330	-29.691	57.133	1.00	46.74

FIGURE 3 PU

A	В	С	D	Е	F	G	H	I	J
22278	CE2	TYR	ъ	E1 /	-103.587	27 510	57.736	1 00	45.40
22279	CD2	TYR			-103.367		57.427	1.00	
22279	C C			514		-23.724	56.006	1.00	
22280	0	TYR				-23.724	56.514		42.05
22282	N			515	-98.513		54.960	1.00	42.36
22283	CA			515	-97.865		54.202	1.00	42.34
22284	CB			515		-23.697	53.213	1.00	42.20
22285	CG			515		-24.933	53.041	1.00	42.49
22286	CD			515		-25.310	54.438	1.00	42.14
22287	С			515		-22.201	53.431	1.00	42.45
22288	0			515	-100.132		53.429	1.00	41.35
22289	OXT			515		-21.219	52.766	1.00	43.57
22290	N	LEU				-20.077	53.844	1.00	31.95
22291	CA	LEU			-100.197		53.113	1.00	30.92
22292	CB	LEU			-101.122		54.031	1.00	31.48
22293	CG	LEU			-102.410		53.469	1.00	32.65
22294	CD1	LEU			-102.137		53.024	1.00	34.39
22295	CD2	LEU			-103.453		54.569	1.00	33.16
22296	С	LEU				-18.924	51.899	1.00	30.86
22297	0	LEU			-98.681	-18.396	51.840	1.00	30.71
22298	N	LEU			-100.685		50.912	1.00	
22299	CA	LEU			-100.508		49.728	1.00	
22300	CB	LEU			-100.500		48.473		28.59
22301	CG	LEU			-100.426		47.174		29.21
22302	CD1	LEU			-100.439		45.925		27.67
22303	CD2	LEU			-99.206		47.170		28.21
22304	С	LEU			-101.673		49.668	1.00	
22305	0	LEU			-102.843		49.539		28.88
22306	N	LEU			-101.349		49.777		28.01
22307	CA	LEU	D	518	-102.338	-14.745	49.681	1.00	27.58
22308	CB	LEU	D	518	-101.879	-13.519	50.470	1.00	27.31
22309	CG	LEU	D	518	-102.951	-12.446	50.616	1.00	28.02
22310	CD1	LEU	D	518	-104.293	-13.056	51.060	1.00	27.01
22311	CD2	LEU	D	518	-102.494	-11.371	51.585	1.00	29.52
22312	C	LEU	D	518	-102.589	-14.375	48.211	1.00	27.23
22313	0	LEU	D	518	-101.708	-13.849	47.524	1.00	26.48
22314	N	ASP	D	519	-103.794	-14.677	47.733	1.00	27.06
22315	CA	ASP	D	519	-104.181	-14.391	46.350	1.00	27.13
22316	CB	ASP	D	519	-105.190	-15.442	45.858	1.00	27.78
22317	CG	ASP	D	519	-105.558	-15.257	44.394	1.00	29.59
22318	OD1	ASP	D	519	-106.065	-16.214	43.791	1.00	26.91
22319	OD2	ASP	D	519	-105.351	-14.191	43.764	1.00	33.79
22320	C	ASP	D	519	-104.808	-13.000	46.324	1.00	26.13
22321	0	ASP	D	519	-105.915	-12.827	46.806	1.00	25.43
22322	N	VAL	D	520	-104.094	-12.008	45.787	1.00	25.46
22323	CA	VAL			-104.589	-10.646	45.858		24.15
22324	CB	VAL			-103.584	-9.692	46.605	1.00	
22325	CG1	VAL			-102.264	-9.584	45.883		24.11
22326	CG2	VAL			-104.178	-8.316	46.774	1.00	
22327	C	VAL			-104.935	-9.991	44.553		23.88
22328	0	VAL	D	520	-104.271	-10.204	43.532		23.79

FIGURE 3 PV

A	В	С	D	E	F	G	H	I	J
22329	N	TYR	D	521	-105.996	-9.187	44.585	1.00	23.58
22330	CA	TYR			-106.262	-8.275	43.485		22.82
22331	CB			521	-107.542	-8.584	42.725		23.10
22332	CG	TYR			-107.669	-7.674	41.510	1.00	
22333	CD1	TYR			-108.651	-6.681	41.453	1.00	
22333	CE1	TYR			-108.755	-5.837	40.348		25.15
22335	CZ	TYR			-107.842	-5.969	39.300	1.00	
22336	OH	TYR			-107.905	-5.133	38.220		26.53
22337	CE2	TYR			-106.864	-6.943	39.333	1.00	
22337	CD2					-7.787	40.441	1.00	
		TYR			-106.773				
22339	C	TYR			-106.306	-6.906	44.122		22.83
22340	0	TYR			-105.392	-6.084	43.946		23.01
22341	N	ALA			-107.371	-6.662	44.863		22.47
22342	CA	ALA			-107.460	-5.494	45.727		22.89
22343	CB	ALA			-106.274	-5.457	46.713		22.69
22344	C	ALA			-107.590	-4.161	45.031		23.27
22345	0	ALA			-107.339	-3.122	45.656	1.00	
22346	N	GLY			-107.964	-4.179	43.754		23.25
22347	CA	GLY			-108.228	-2.941	43.044	1.00	
22348	C	GLY			-109.525	-2.363	43.562	1.00	
22349	0	GLY			-110.302	-3.045	44.218		24.01
22350	N			524	-109.779	-1.101	43.270	1.00	
22351	CA			524	-111.034	-0.464	43.701		23.35
22352	CB			524	-110.958	0.924	43.088		22.72
22353	CG	PRO	D	524	-109.504	1.158	42.890	1.00	23.47
22354	CD	PRO	D	524	-108.893	-0.175	42.545		23.33
22355	C			524	-112.257	-1.215	43.206	1.00	
22356	0	PRO	D	524	-112.310	-1.632	42.045	1.00	22.25
22357	N	CYS	D	525	-113.213	-1.396	44.123	1.00	23.85
22358	CA	CYS	D	525	-114.442	-2.133	43.883	1.00	24.64
22359	CB	CYS	D	525	-115.325	-1.457	42.816	1.00	24.68
22360	SG	CYS	D	525	-117.079	-1.893	42.910	1.00	27.11
22361	С	CYS	D	525	-114.201	-3.605	43.551	1.00	24.37
22362	0	CYS	D	525	-115.053	-4.260	43.009	1.00	25.04
22363	N	SER	D	526	-113.047	-4.137	43.884	1.00	24.74
22364	CA	SER	D	526	-112.831	-5.541	43.611	1.00	25.47
22365	CB	SER	D	526	-111.353	-5.879	43.649	1.00	25.00
22366	OG	SER	D	526	-110.870	-5.697	44.965	1.00	26.65
22367	С	SER	D	526	-113.539	-6.373	44.674	1.00	25.58
22368	0	SER	D	526	-114.006	-5.853	45.694	1.00	25.12
22369	N			527	-113.597	-7.665	44.408	1.00	25.65
22370	CA	GLN			-114.135	-8.629	45.318	1.00	
22371	CB	GLN	D	527	-115.634	-8.825	45.097	1.00	26.82
22372	CG	GLN			-116.280	-9.642	46.207		27.95
22373	CD	GLN		527	-117.803	-9.657	46.152	1.00	
22374	OE1			527	-118.407	-10.192	45.204		28.61
22375	NE2	GLN			-118.424	-9.077	47.166	1.00	
22376	C	GLN			-113.434	-9.907	44.989		27.21
22377	Ö	GLN			-113.576	-10.406	43.888	1.00	
22378	N	LYS		528	-112.661	-10.430	45.934	1.00	
22379	CA			528	-111.977		45.740		29.21
		220	_	223	111.077	11.000		1.00	

FIGURE 3 PW

A	В	C	D	E	F	G	H	1	J
			_				45 000		
22380	CB	LYS			-110.469		45.892		29.88
22381	CG	LYS			-109.811		44.854	1.00	
22382	CD	LYS			-109.819		43.455		29.85
22383	CE	LYS			-109.210		43.375		32.75
22384	NZ	LYS			-107.963		44.124	1.00	
22385	C	LYS			-112.482		46.743		29.69
22386	0	LYS			-112.047		46.746		28.93
22387	N	ALA			-113.362	-12.293	47.641	1.00	31.26
22388	CA	ALA			-113.948		48.571	1.00	32.56
22389	CB	ALA			-113.970		49.973	1.00	32.17
22390	С	ALA			-115.357		48.054	1.00	33.38
22391	0	ALA			-116.234		48.299	1.00	33.84
22392	N	ASP			-115.536		47.319	1.00	34.00
22393	CA	ASP			-116.783		46.606	1.00	35.36
22394	CB	ASP			-116.490		45.126	1.00	35.29
22395	CG	ASP			-115.969		44.287	1.00	38.56
22396	OD1	ASP			-116.423		43.138	1.00	41.15
22397	OD2	ASP			-115.062		44.632	1.00	45.19
22398	С	ASP			-117.403		47.157	1.00	34.96
22399	0	ASP			-116.764		47.886	1.00	35.34
22400	N	THR			-118.630		46.741	1.00	34.45
22401	CA	THR			-119.231	-17.849	47.016	1.00	34.17
22402	CB	THR			-120.712	-17.756	47.493	1.00	34.07
22403	OG1	THR			-121.523		46.477	1.00	34.32
22404	CG2	THR	D	531	-120.866		48.689	1.00	33.95
22405	С	THR	D	531	-119.205	-18.586	45.695	1.00	34.05
22406	0	THR	D	531	-120.026	-19.455	45.466	1.00	33.61
22407	N	VAL			-118.288	-18.198	44.807	1.00	33.97
22408	CA	VAL	D	532	-118.193	-18.819	43.487	1.00	33.24
22409	CB	VAL	D	532	-117.643	-17.840	42.418	1.00	33.74
22410	CG1	VAL	D	532	-117.397	-18.559	41.073	1.00	31.82
22411	CG2	VAL	D	532	-118.593	-16.654	42.224	1.00	32.78
22412	C	VAL	D	532	-117.344	-20.082	43.507	1.00	33.28
22413	0	VAL	D	532	-116.378	-20.193	44.268	1.00	32.79
22414	N	PHE	D	533	-117.723	-21.039	42.667	1.00	33.08
22415	CA	PHE	D	533	-116.998	-22.291	42.566	1.00	32.91
22416	CB	PHE	D	533	-117.936	-23.465	42.297	1.00	33.19
22417	CG	PHE	D	533	-117.209	-24.742	42.033	1.00	33.43
22418	CD1	PHE	D	533	-116.675		43.079	1.00	33.91
22419	CE1	PHE	D	533	-115.974	-26.632	42.848	1.00	33.49
22420	CZ	PHE	D	533	-115.793	-27.068	41.569	1.00	33.77
22421	CE2	PHE	D	533	-116.305	-26.341	40.509	1.00	35.32
22422	CD2	PHE	D	533	-116.999	-25.180	40.743	1.00	33.72
22423	C	PHE	D	533	-116.028	-22.207	41.428	1.00	32.73
22424	0	PHE	D	533	-116.404	-21.924	40.304	1.00	32.88
22425	N	ARG	D	534	-114.773	-22.493	41.703	1.00	33.21
22426	CA	ARG	D	534	-113.764	-22.376	40.675	1.00	33.45
22427	CB	ARG	D	534	-112.917	-21.111	40.906	1.00	34.03
22428	CG	ARG	D	534	-113.685	-19.780	40.894	1.00	33.35
22429	CD	ARG	D	534	-112.769	-18.543	40.923	1.00	33.39
22430	NE	ARG	D	534	-113.530	-17.303	40.775	1.00	32.63

FIGURE 3 PX

A	В	C	D	E		F	G	H	I	J
22431	CZ	ARG					-16.700	41.771	1.00	30.97
22432	NH1	ARG		534			-15.592	41.543	1.00	30.56
22433	NH2	ARG					-17.216	42.991		27.55
22434	C	ARG					-23.578	40.649		33.45
22435	0	ARG					-24.228	41.670		33.84
22436	N	LEU					-23.869	39.459		32.92
22437	CA			535			-24.873	39.276	1.00	32.75
22438	CB	LEU					-25.967	38.330	1.00	33.22
22439	CG			535	-113.		-26.703	38.907	1.00	34.43
22440	CD1	LEU					-27.749	37.909		36.11
22441	CD2	LEU					-27.322	40.271		32.76
22442	C			535			-24.092	38.668		32.22
22443	0			535			-23.712	37.493		30.98
22444	N	ASN					-23.810	39.498	1.00	32.18
22445	CA	ASN					-23.001	39.066	1.00	31.90
22446	CB	ASN					-21.536	39.359		31.60
22447	CG	ASN					-21.291	40.818		31.90
22448	OD1						-22.105	41.678	1.00	31.63
22449	ND2	ASN					-20.161	41.122		29.42
22450	С	ASN					-23.425	39.704	1.00	31.71
22451	0	ASN					-24.492	40.296		31.78
22452	N	TRP					-22.577	39.566		31.71
22453	CA	TRP					-22.868	40.092		31.28
22454	CB			537			-21.655	39.873		30.97
22455	CG			537			-21.917	40.133		28.42
22456	CD1	TRP		537			-23.003	39.750		26.24
22457	NE1	TRP					-22.874	40.147		26.79
22458	CE2	TRP		537			-21.686	40.814		26.24
22459	CD2	TRP		537			-21.054	40.813		28.24
22460	CE3	TRP					-19.802	41.436	1.00	
22461	CZ3	TRP		537			-19.248	42.025		26.67
22462	CH2	TRP					-19.898	42.002		28.13
22463	CZ2	TRP					-21.117	41.396		27.01
22464	C			537			-23.137	41.575		31.39
22465	0	TRP					-24.065	42.098	1.00	
22466	N	ALA					-22.298	42.255		31.48
22467	CA	ALA					-22.417	43.683	1.00	31.67
22468	CB	ALA					-21.287	44.196		31.61
22469	С	ALA					-23.783	44.057		31.89
22470	0	ALA					-24.346	45.077	1.00	32.15
22471	N			539			-24.306	43.241	1.00	32.44
22472	CA			539			-25.635	43.487	1.00	33.01
22473	CB			539			-26.049	42.393		32.91
22474	OG1	THR					-25.030	42.220		32.56
22475	CG2	THR					-27.234	42.861		33.33
22476	С			539			-26.625	43.536	1.00	33.42
2247 7	0			539	-106.			44.467	1.00	33.41
22478	N			540			-26.569	42.533	1.00	33.82
22479	CA			540			-27.452	42.482	1.00	34.43
22480	CB			540			-27.267	41.166		34.19
22481	CG	TYR	D	540	-102.	083	-27.408	41.334	1.00	35.99

FIGURE 3 PY

A	В	C	D	Е	F	G	H	I	J
00.100			_	- 40		0.0.00	41.066		0.5.50
22482	CD1	TYR			-101.239		41.266	1.00	36.53
22483	CE1	TYR			-99.870		41.430	1.00	36.80
22484	CZ			540	-99.321		41.678	1.00	39.13
22485	OH			540	-97.947		41.841	1.00	39.63
22486	CE2	TYR			-100.144		41.756	1.00	38.20
22487	CD2	TYR			-101.512		41.583	1.00	36.76
22488	С	TYR			-103.403		43.674	1.00	34.61
22489	0	TYR			-102.846		44.187	1.00	35.20
22490	N			541	-103.220		44.125	1.00	34.49
22491	CA	LEU			-102.306		45.246	1.00	34.30
22492	CB	LEU			-101.986		45.422	1.00	33.43
22493	CG			541	-101.287		44.280	1.00	33.62
22494		LEU			-101.321	-22.060	44.528	1.00	33.14
22495	CD2	LEU			-99.857		44.067	1.00	30.95
22496	C	LEU			-102.816		46.568	1.00	34.23
22497	0	LEU			-102.043		47.365	1.00	34.14
22498	N	ALA				-26.211	46.820	1.00	34.20
22499	CA	ALA			-104.689		48.067	1.00	34.60
22500	CB	ALA			-106.072		48.250	1.00	34.08
22501	C	ALA				-28.210	48.081	1.00	35.01
22502	0	ALA			-104.430		49.069	1.00	34.56
22503	N			543	-105.207		46.945	1.00	35.36
22504	CA			543	-105.488		46.784	1.00	36.01
22505	CB			543	-106.223		45.461	1.00	36.05
22506	OG			543	-106.513		45.239	1.00	38.51
22507	C			543	-104.241		46.806	1.00	36.06
22508	0			543	-104.138		47.576	1.00	35.64
22509	N	THR			-103.278		45.964	1.00	36.46
22510	CA	THR			-102.064		45.797	1.00	36.40
22511	CB			544		-31.355	44.335	1.00	36.34
22512	OG1	THR	D	544	-102.676	-31.788	43.484	1.00	37.72
22513	CG2	THR	D	544	-100.522	-32.366	44.053	1.00	37.38
22514	C			544	-100.911	-30.964	46.683	1.00	36.54
22515	0	THR	D	544	-100.186		47.239	1.00	36.92
22516	N	GLU			-100.729		46.816	1.00	35.81
22517	CA	GLU	D	545	-99.558		47.515	1.00	35.27
22518	CB	GLU	D	545	-98.870		46.674	1.00	34.96
22519	CG	GLU	D	545	-98.775	-28.409	45.193	1.00	34.43
22520	CD	GLU			-97.587	-29.292	44.853	1.00	33.89
22521	OE1	GLU	D	545	-97.339	-29.558	43.650	1.00	32.37
22522	OE2	GLU	D	545	-96.881	-29.715	45.787	1.00	35.41
22523	С	GLU	D	545	-99.892	-28.671	48.921	1.00	34.78
22524	0	GLU	D	545	-99.077	-28.076	49.611	1.00	35.19
22525	N	ASN	D	546	-101.101	-28.971	49.347	1.00	34.51
22526	CA	ASN	D	546	-101.558	-28.603	50.678	1.00	34.11
22527	CB	ASN	D	546	-101.163	-29.679	51.695	1.00	34.57
22528	CG	ASN	D	546	-101.851	-31.001	51.413	1.00	36.54
22529	OD1	ASN	D	546	-101.307	-31.860	50.719	1.00	40.92
22530	ND2	ASN	D	546	-103.064	-31.159	51.920	1.00	38.06
22531	C	ASN	D	546	-101.198	-27.195	51.136	1.00	33.35
22532	0	ASN	D	546	-100.691		52.240		33.38

FIGURE 3 PZ

A	В	С	D	E	F	G	H	I	J
22533	N	ILE	D	547	-101.493	-26.236	50.269	1.00	32.27
22534	CA			547		-24.827	50.545	1.00	30.72
22535	CB			547	-100.623		49.330	1.00	31.08
22536	CG1	ILE		547		-24.719	49.142	1.00	29.43
22537	CD1			547	-98.621		47.817	1.00	24.93
22538	CG2	ILE		547	-100.610		49.482	1.00	30.21
22539	C	ILE		547		-24.157	50.779	1.00	30.22
22540	Ö	ILE		547	-103.548		49.950	1.00	30.22
22541	N	ILE		548	-102.822		51.913	1.00	29.75
22542	CA	ILE		548	-104.013		52.083		29.56
22543	CB	ILE		548	-104.159		53.502		29.32
22544	CG1	ILE		548	-104.299		54.498	1.00	30.97
22545	CD1			548	-104.571		55.948	1.00	
22546	CG2	ILE		548	-105.390		53.614	1.00	28.75
22547	С			548	-103.874		51.156		29.79
22548	0			548	-102.842		51.140		29.92
22549	N	VAL		549	-104.887		50.360		29.75
22550	CA	VAL		549	-104.787		49.572		29.97
22551	CB	VAL		549	-104.492		48.067	1.00	29.86
22552	CG1	VAL	D	549	-104.788		47.679	1.00	31.52
22553	CG2	VAL			-105.192		47.198	1.00	30.60
22554	С			549	-105.961		49.867		29.65
22555	0	VAL	D	549	-107.125	-19.410	49.628	1.00	29.74
22556	N	ALA	D	550	-105.619	-17.925	50.439	1.00	
22557	CA	ALA	D	550	-106.589	-16.984	50.927	1.00	27.71
22558	CB	ALA	D	550	-106.215	-16.562	52.346	1.00	27.73
22559	С	ALA	D	550	-106.675	-15.750	50.054	1.00	27.36
22560	0	ALA	D	550	-105.756	-15.418	49.324	1.00	26.91
22561	N	SER	D	551	-107.790	-15.053	50.172	1.00	27.51
22562	CA	SER	D	551	-107.961	-13.810	49.461	1.00	28.01
22563	CB	SER	D	551	-108.754	-14.007	48.189	1.00	27.25
22564	OG	SER	D	551	-107.986	-14.798	47.310	1.00	28.09
22565	С	SER	D	551	-108.707	-13.001	50.433	1.00	27.68
22566	0	SER	D	551	-109.465	-13.565	51.223	1.00	28.39
22567	N	PHE	D	552	-108.489	-11.691	50.382	1.00	26.99
22568	CA	PHE		552	-109.076		51.336	1.00	26.50
22569	CB	PHE		552	-108.028		52.408		26.23
22570	CG	PHE		552	-108.509		53.464		26.10
22571	CD1	PHE		552	-109.320		54.495		26.43
22572	CE1	PHE		552	-109.764		55.477		26.53
22573	CZ	PHE		552	-109.404		55.425	1.00	25.63
22574	CE2	PHE		552	-108.595		54.418		25.99
22575	CD2	PHE		552	-108.145		53.439		25.54
22576	C	PHE		552	-109.546		50.650		26.56
22577	o			552	-108.831		49.849		26.45
22578	N	ASP		553	-110.764		50.967	1.00	
22579	CA	ASP		553	-111.307		50.451		25.94
22580	CB	ASP		553	-112.769		50.036		25.66
22581	CG	ASP		553	-112.948		48.858		25.92
22582	OD1	ASP		553	-112.023		48.032		22.66
22583	OD2	ASP			-113.995		48.682		27.52
22000	002	LIUE	D	000	110.00		10.002	1.00	21.02

FIGURE 3 QA

A	В	С	D	E		F		G		H	I		J
	_						_				_		
22584	C		D	553		11.244		.789		.553			26.12
22585	0	ASP		553		12.113		.762		2.432			26.68
22586	N	GLY				10.234		.928		.516			25.48
22587	CA	GLY		554		10.116		.893		2.521			25.03
22588	С	GLY				10.654		.556		2.057			24.97
22589	0	GLY		554		11.596		.502		1.273			25.10
22590	N	ARG		555		10.063		.468		2.546			24.82
22591	CA	ARG		555		10.487		.142		2.127			24.46
22592	CB	ARG	D	555		09.787		.067		2.952	1.0		24.30
22593	CG	ARG				10.429		.147		1.341			24.14
22594	CD	ARG		555		09.582		.985		.282			23.12
22595	NE	ARG		555		08.311		.342		.614			22.67
22596	CZ	ARG		555		07.446		.851		5.473			23.02
22597	NH1	ARG	D	555		07.718		.010		7.046			22.64
22598	NH2	ARG	D	555	-10	06.318	0	.212	5€	5.764			22.47
22599	C	ARG	D	555	-13	10.262	-0	.957	50	.615	1.0	00	24.24
22600	0	ARG	D	555	-10	09.253		.424	50	0.068			23.62
22601	N	GLY	D	556	-13	11.209	-0	.285	49	9.959	1.0	00	23.17
22602	CA	GLY	D	556	-13	11.192	-0	.154	48	3.514	1.0	00	23.85
22603	C	GLY	D	556	-13	12.076	-1	.209	47	7.838	1.0	00	24.14
22604	0	GLY	D	556	-13	12.551	-1	.008	46	5.727	1.0	00	23.54
22605	N	SER	D	557	-13	12.309	-2	.330	48	3.519	1.0	00	24.74
22606	CA	SER	D	557	-13	13.092	-3	.431	47	7.949	1.0	00	25.59
22607	CB	SER	D	557	-13	12.978	-4	.696	48	3.811	1.0	00	25.61
22608	OG	SER	D	557	-13	13.803	-4	.610	49	9.962	1.0	00	27.57
22609	С	SER	D	557	-13	14.547	-3	.020	47	7.697	1.0	00	25.30
22610	0	SER	D	557	-13	15.020	-2	.030	48	3.250	1.0	00	25.68
22611	N	GLY	D	558	-13	15.246	-3	.759	46	.840	1.0	00	25.65
22612	CA	GLY	D	558	-13	16.579		.350	46	.401	1.0	00	25.83
22613	C	GLY		558		17.793		.985		7.056			26.02
22614	Ō	GLY	D	558		17.668		.868		7.898	1.0		26.32
22615	N	TYR		559		18.969		.502		5.673			26.34
22616	CA	TYR		559		20.250		.099		7.058			27.19
22617	CB	TYR		559		20.344		.531		5.482			27.45
22618	CG	TYR		559		19.810		.588		.074			27.95
22619	CD1	TYR		559		18.562		.141		1.799	1.0		27.49
22620	CE1	TYR		559		18.066		.172		3.501			27.94
22621	CZ	TYR		559		18.813		.618		2.471			28.56
22622	OH	TYR		559		18.323		.599		.188	1.0		27.38
22623	CE2			559		20.029		.035		2.731			28.45
22624	CD2	TYR		559		20.514		.011		1.029	1.0		28.47
22625	C	TYR		559		20.591		.091		3.549	1.0		27.37
22626	Ö	TYR		559		21.465		.850		3.983			27.51
22627	N			560		19.953		.204		3.311			27.31
22628	CA	GLN		560		20.146		.101		7.759			27.23
22629	CB	GLN	D	560		18.908		.625		1.489	1.0		27.77
22630	CG	GLN		560		18.519		.043		1.134			28.91
22631	CD	GLN	D	560		17.054		.331		1.357	1.0		31.26
22632	OE1	GLN		560		16.624		.576		2.491	1.0		31.80
22633	NE2	GLN		560		16.280		.344		268	1.0		30.98
22634	C			560		20.366		.645		1.151			27.53
22034	_	ATTI/A	D	200	-14	. 0 00	-1	.040	J		1.1	, 0	21.00

FIGURE 3 QB

A	В	С	D	Е	F	G	Н	I	J
22635	0	GLN	D	560	-120.236	-1.267	52.321	1.00	27.86
22636	N	GLY		561	-120.679	-0.817	50.161	1.00	27.89
22637	CA	GLY	D	561	-120.889	0.602	50.395	1.00	27.38
22638	C	GLY		561	-119.659	1.477	50.206	1.00	27.11
22639	0	GLY			-118.524	1.008	50.263	1.00	26.62
22640	N	ASP	D	562	-119.892	2.767	49.995	1.00	27.30
22641	CA	ASP	D	562	-118.812	3.709	49.753	1.00	28.31
22642	CB	ASP	D	562	-119.365	5.051	49.321	1.00	28.36
22643	CG	ASP	D	562	-120.046	4.988	47.983	1.00	29.39
22644	OD1	ASP	D	562	-119.845	3.988	47.236	1.00	30.55
22645	OD2	ASP	D	562	-120.815	5.894	47.610	1.00	29.84
22646	C	ASP	D	562	-117.812	3.926	50.880	1.00	28.85
22647	0			562	-116.637	4.191	50.616	1.00	29.41
22648	N	LYS		563	-118.249	3.850	52.127	1.00	29.56
22649	CA	LYS	D	563	-117.301	4.043	53.225	1.00	30.60
22650	CB	LYS	D	563	-117.917	3.696	54.573	1.00	31.11
22651	CG	LYS	D	563	-116.916	3.688	55.720	1.00	34.21
22652	CD	LYS	D	563	-116.706	5.123	56.259	1.00	41.16
22653	CE	LYS		563	-115.530	5.204	57.255	1.00	43.33
22654	NZ	LYS	D	563	-115.058	6.615	57.450	1.00	44.62
22655	C	LYS		563	-116.087	3.165	52.984	1.00	30.00
22656	0	LYS		563	-114.957	3.612	53.094	1.00	30.15
22657	N	ILE	D	564	-116.328 -115.235	1.906	52.642	1.00	29.49
22658 22659	CA CB	ILE	D	564 564	-115.233	-0.469	52.373 52.546	1.00	29.28
22660	CG1		D	564	-115.717	-0.469	54.031	1.00	27.78
22661	CD1	ILE	D	564	-116.449	-2.225	54.258	1.00	26.22
22662	CG2		D		-114.757	-1.466	51.812	1.00	27.48
22663	C	ILE	D	564	-114.642	1.180	50.973	1.00	28.08
22664	ŏ	ILE		564	-113.441	1.096	50.794	1.00	28.14
22665	N	MET		565	-115.471	1.426	49.971	1.00	27.98
22666	CA	MET		565	-114.939	1.458	48.603	1.00	27.61
22667	CB	MET	D	565	-116.057	1.360	47.561	1.00	27.73
22668	CG	MET	D	565	-115.550	1.349	46.129	1.00	26.07
22669	SD	MET	D	565	-116.862	1.094	44.933	1.00	27.30
22670	CE	MET	D		-117.601	2.652	44.824	1.00	25.23
22671	C	MET	D	565	-114.088	2.672	48.333	1.00	27.63
22672	0	MET	D		-113.015	2.559	47.745	1.00	27.09
22673	N	HIS	D	566	-114.578	3.830	48.773	1.00	27.52
22674	CA	HIS	D		-113.881	5.093	48.577	1.00	27.65
22675	CB	HIS	D	566	-114.865	6.269	48.626	1.00	27.68
22676	CG	HIS		566	-115.793	6.303	47.457	1.00	26.99
22677	ND1		D		-116.939	7.066	47.429	1.00	28.50
22678	CE1	HIS	D	566	-117.567	6.871	46.281	1.00	28.97
22679	NE2 CD2	HIS		566	-116.873 -115.766	5.999	45.569	1.00	26.95
22680 22681	CD2	HIS	D D	566 566	-115.766	5.620 5.329	46.290 49.555	1.00	27.38
22681	0	HIS		566	-112.754	6.376	49.555	1.00	28.02
22683	N	ALA		567	-112.110	4.358	50.418	1.00	28.19
22684	CA	ALA			-111.425	4.533	51.401		28.18
22685	CB			567	-111.348	3.320	52.332		28.22
	22		_	507		0.020	-2.002	1.00	_0.22

FIGURE 3 QC

A	В	С	D	Е	F	G	H	I	J
22686	С	ALA	D	567	-110.071	4.789	50.740	1.00	28.08
22687	0	ALA	D	567	-109.205	5.449	51.328	1.00	27.85
22688	N	ILE	D	568	-109.874	4.259	49.528	1.00	27.58
22689	CA	ILE	D	568	-108.598	4.447	48.850	1.00	27.06
22690	CB	ILE	D	568	-108.082	3.124	48.203	1.00	27.60
22691	CG1	ILE	D	568	-109.113	2.479	47.291	1.00	26.85
22692	CD1	ILE	D	568	-109.901	3.443	46.432	1.00	29.00
22693	CG2	ILE	D	568	-107.640	2.107	49.293	1.00	28.00
22694	C	ILE	D	568	-108.593	5.594	47.844	1.00	27.07
22695	0	ILE	D	568	-107.677	5.697	47.015	1.00	26.67
22696	N	ASN	D	569	-109.608	6.456	47.920	1.00	26.74
22697	CA	ASN		569	-109.717	7.583	46.997	1.00	
22698	CB	ASN		569	-110.934	8.450	47.337	1.00	
22699	CG	ASN		569	-111.215	9.499	46.277	1.00	
22700	OD1	ASN		569	-111.277	10.699	46.570	1.00	31.62
22701	ND2			569	-111.367	9.058	45.034	1.00	28.47
22702	C	ASN		569	-108.458	8.435	47.024	1.00	
22703	0	ASN		569	-108.073	8.946	48.075	1.00	26.42
22704	N		D	570	-107.791	8.544	45.877	1.00	27.75
22705	CA	ARG		570	-106.620	9.405	45.760	1.00	
22706	CB	ARG		570	-106.924	10.792	46.346	1.00	
22707	CG	ARG		570	-107.950	11.571	45.559	1.00	30.72
22708 22709	CD	ARG		570 570	-108.236		46.119	1.00	36.07
22710	NE CZ	ARG		570	-107.033 -106.550	13.789 14.551	46.249 45.282	1.00	38.04
22711	NH1	ARG		570	-100.330	14.596	44.108	1.00	39.13
22712	NH2	ARG		570	-105.448	15.267	45.483	1.00	
22713	C	ARG		570	-105.439	8.805	46.473	1.00	
22714	ŏ	ARG	D	570	-104.361	9.397	46.559	1.00	27.76
22715	N	ARG		571	-105.618	7.595	46.964	1.00	
22716	CA	ARG		571	-104.562	7.056	47.778	1.00	
22717	CB	ARG		571	-104.861	7.341	49.256		29.49
22718	CG	ARG		571	-103.669	7.967	49.989	1.00	34.40
22719	CD	ARG	D	571	-103.706	9.481	50.211	1.00	37.34
22720	NE	ARG	D	571	-103.697	10.225	48.963	1.00	40.61
22721	CZ	ARG	D	571	-103.474	11.525	48.868	1.00	41.04
22722	NH1	ARG	D	571	-103.490	12.103	47.672	1.00	
22723	NH2	ARG	D	571	-103.233	12.248	49.960	1.00	41.29
22724	С	ARG	D	571	-104.290	5.589	47.472	1.00	29.13
22725	0	ARG		571	-104.166	4.748	48.366	1.00	
22726	N	LEU		572	-104.165	5.290	46.186	1.00	
22727	CA		D	572	-103.865	3.918	45.770	1.00	28.13
22728	CB	LEU		572	-103.815	3.814	44.246		27.82
22729	CG	LEU	D	572	-105.077	3.332	43.525	1.00	28.58
22730	CD1	LEU		572	-105.174	3.831	42.088		25.84
22731	CD2	LEU		572	-106.344	3.628	44.310		28.27
22732	С	LEU		572	-102.534	3.495	46.372	1.00	27.64
22733 22734	O N	LEU		572 573	-101.662 -102.379	4.323	46.605 46.640	1.00	28.39
22735	CA	GLY		573	-102.379	1.711	47.178		25.65
22736	C			573	-101.137	2.031	48.656		25.59
22130	_	Jul	D	513	100.903	2.031	40.036	1.00	20.09

FIGURE 3 QD

A	В	С	D	E		F	G	H	I	J
22737	0	GLY		573		9.872	2.08			25.01
22738	N	THR		574		2.089	2.27			25.02
22739	CA	THR		574		1.978	2.51			24.80
22740	CB	THR		574		2.403	3.93			24.60
22741	OG1	THR		574		3.769	4.13			25.11
22742	CG2	THR		574		1.624	4.97			24.02
22743	С	THR		574		2.786	1.50		1.00	24.68
22744	0	THR		574		2.291	0.45			23.86
22745	N	PHE	D	575		4.039	1.84		1.00	25.42
22746	CA	PHE		575		4.884	1.03			26.24
22747	CB	PHE	D	575		6.212	1.74			26.92
22748	CG	PHE	D	575		6.088	3.07			28.29
22749	CD1	PHE		575		5.145	3.26			28.72
22750	CE1	PHE	D	575		5.050	4.47		1.00	30.07
22751	CZ	PHE	D	575		5.896	5.51			29.21
22752	CE2	PHE	D	575		6.848	5.33		1.00	31.74
22753	CD2	PHE	D	575		6.949	4.11			29.53
22754	С	PHE	D	575		5.167	-0.37			26.80
22755	0	PHE	D	575		5.347	-1.29		1.00	27.14
22756	N	GLU		576		5.226	-0.54		1.00	26.67
22757	CA	GLU		576		5.526	-1.82			26.70
22758	CB	GLU	D	576		6.059	-1.65			27.22
22759	CG	GLU		576		4.999	-1.53			28.25
22760	CD	GLU	D	576		4.397	-0.13			29.97
22761	OE1	GLU		576		4.224	0.60			29.55
22762	OE2	GLU		576		4.064	0.21		1.00	31.10
22763	C	GLU		576		4.284	-2.70			27.03
22764	0	GLU		576		4.381	-3.92			27.54
22765	N	VAL		577		3.113	-2.08		1.00	27.44
22766	CA	VAL		577		1.849	-2.79			27.86
22767	CB	VAL		577		0.634	-1.90		1.00	28.09
22768	CG1	VAL		577		0.673	-1.57			27.66
22769	CG2	VAL		577		9.293	-2.56			26.74
22770	С	VAL		577		1.729	-3.21			28.75
22771	0	VAL	D	577		1.523	-4.38			27.76
22772	N	GLU	D	578		1.889	-2.24		1.00	29.84
22773	CA	GLU		578		1.814	-2.45		1.00	31.68
22774	CB	GLU	D	578		2.010	-1.11		1.00	32.26
22775	CG	GLU	D	578		0.801	-0.17		1.00	37.82
22776	CD	GLU	D	578		1.117	1.32		1.00	45.04
22777	OE1	GLU	D	578		0.809	2.10		1.00	47.10
22778	OE2	GLU	D	578		1.632	1.73		1.00	46.15
22779	С	GLU	D	578	-10	2.811	-3.51	9 54.825	1.00	31.53
22780	0	GLU		578		2.450	-4.41		1.00	31.88
22781	N	ASP		579		4.052	-3.45		1.00	31.09
22782	CA	ASP	D	579		5.054	-4.42		1.00	30.71
22783	CB	ASP	D	579		6.443	-4.03		1.00	31.02
22784	CG	ASP	D	579		7.014	-2.81		1.00	32.48
22785	OD1	ASP	D	579		6.396	-2.32		1.00	33.16
22786	OD2	ASP	D	579		8.090	-2.26		1.00	33.82
22787	C	ASP	D	579	-10	4.679	-5.86	3 54.361	1.00	30.02

FIGURE 3 QE

A	В	С	D	Е		F	G	H	I	J
22788	0	ASP	D	579	-10	4.980	-6.809	55.085	1.00	29.35
22789	N	GLN	D	580	-10	4.007	-6.037	53.229	1.00	29.15
22790	CA	GLN	D	580	-10	3.561	-7.375	52.844	1.00	28.97
22791	CB	GLN	D	580	-10	2.978	-7.394	51.428	1.00	28.42
22792	CG	GLN	D	580	-10	3.972	-7.130	50.322	1.00	27.58
22793	CD	GLN	D	580	-10	4.992	-8.242	50.155	1.00	27.11
22794	OE1	GLN	D	580	-10	4.625	-9.400	50.001	1.00	25.81
22795	NE2	GLN	D	580	-10	6.280	-7.883	50.161	1.00	25.38
22796	C	GLN	D	580	-10	2.512	-7.896	53.828	1.00	29.53
22797	0	GLN	D	580	-10	2.454	-9.095	54.117	1.00	29.69
22798	N	ILE	D	581	-10	1.661	-7.002	54.321	1.00	29.77
22799	CA	ILE	D	581	-10	0.649	-7.403	55.272	1.00	30.78
22800	CB	ILE	D	581		9.610	-6.280	55.453		30.83
22801	CG1	ILE	D	581		8.635	-6.234	54.267		30.50
22802	CD1	ILE		581		8.115	-4.801	54.003		29.32
22803	CG2	ILE	D	581		8.837	-6.434	56.772		30.88
22804	С	ILE	D	581		1.318	-7.778	56.599		31.22
22805	0	ILE	D	581		1.019	-8.815	57.185		31.08
22806	N	GLU	D	582		2.229	-6.925	57.052		31.70
22807	CA	GLU		582		2.977	-7.160	58.286		32.63
22808	CB	GLU		582		3.890	-5.968	58.609		32.27
22809	CG	GLU	D	582		4.750	-6.176	59.838		33.99
22810	CD	GLU		582		3.925	-6.299	61.114		38.62
22811	OE1	GLU	D	582		4.472	-6.791	62.124		38.76
22812	OE2	GLU		582		2.734	-5.891	61.114		40.20
22813	С	GLU		582		3.801	-8.444	58.194		32.47
22814	0	GLU		582		3.972	-9.158	59.183		33.17
22815	N	ALA		583		4.292	-8.740 -9.974	57.002 56.783		32.20
22816 22817	CA CB	ALA		583 583		5.040 5.639	-10.020	55.371		32.77
22817	C	ALA		583		4.140	-10.020	57.008		32.21
22819	0	ALA		583		4.515	-12.108	57.702		32.29
22820	N	ALA				2.961	-11.134	56.399		32.95
22821	CA	ALA		584		1.987	-12.207	56.561		34.06
22822	CB	ALA				0.776	-11.936	55.745		33.46
22823	C	ALA		584		1.625	-12.358	58.038		35.08
22824	ŏ	ALA		584		1.484	-13.473	58.540		35.25
22825	N	ARG		585		1.504	-11.231	58.729		36.40
22826	CA	ARG	D	585		1.232	-11.240	60.155		38.09
22827	CB	ARG		585		1.007	-9.819	60.693		38.45
22828	CG	ARG		585		9.588	-9.293	60.510		37.61
22829	CD	ARG		585		9.263	-8.106	61.400		38.68
22830	NE	ARG	D	585	-9	8.920	-6.886	60.672	1.00	40.40
22831	CZ	ARG	D	585	-9	7.673	-6.482	60.453	1.00	40.67
22832	NH1	ARG	D	585	-9	6.654	-7.202	60.898	1.00	41.73
22833	NH2	ARG	D	585	-9	7.438	-5.360	59.799	1.00	39.47
22834	C	ARG	D	585		2.342	-11.921	60.942		39.12
22835	0		D	585		2.058	-12.724	61.816		39.64
22836	N	GLN		586		3.599		60.630		40.11
22837	CA	GLN		586			-12.224	61.360		41.16
22838	CB	GLN	D	586	-10	6.025	-11.492	61.091	1.00	41.10

FIGURE 3 QF

A	В	С	D	Е		F	G	ŀ	ł	I	J
22839	CG	GLN	D	586	-1	06.123	-10.079	61.	682	1.00	42.90
22840	CD	GLN	D	586	-1	06.715	-10.060	63.	075	1.00	45.95
22841	OE1	GLN	D	586	-1	07.124	-9.015	63.	566	1.00	47.36
22842	NE2	GLN	D	586	-1	06.773	-11.226	63.	711	1.00	48.11
22843	C	GLN	D	586		04.861	-13.705	61.	031	1.00	41.99
22844	0	GLN	D	586	-1	05.377			847		42.30
22845	N	PHE	D	587	-1	04.427	-14.101	59.	836	1.00	42.89
22846	CA	PHE	D	587	-1	04.498	-15.503	59.	426	1.00	43.33
22847	CB	PHE	D	587		04.241	-15.677		921	1.00	42.71
22848	CG	PHE	D	587		05.281	-15.049		037		41.34
22849	CD1	PHE	D	587		06.572	-14.834		493	1.00	40.20
22850	CE1	PHE		587		07.521	-14.254		671	1.00	38.14
22851	CZ	PHE	D	587		07.187	-13.895		.376	1.00	37.46
22852	CE2	PHE	D	587			-14.116		912	1.00	36.54
22853	CD2	PHE	D	587		04.971	-14.685		735		38.81
22854	C	PHE	D	587		03.440	-16.252		226		44.39
22855	0	PHE	D	587		03.657			638	1.00	
22856	N	SER		588		02.292	-15.606		430	1.00	
22857	CA	SER		588		01.217			258	1.00	47.02
22858	CB	SER		588		00.030			361	1.00	47.26
22859	OG	SER		588					351	1.00	48.72
22860	C			588			-16.455		663	1.00	47.44
22861	0	SER		588		01.435			217		47.74
22862 22863	N	LYS	D D	589		02.472	-15.524 -15.726		.238	1.00	47.68 48.75
22864	CA CB	LYS	D	589 589			-14.397		214	1.00	48.90
22865	CG	LYS	D	589			-14.397		968	1.00	51.80
22866	CD		D	589		01.415			027	1.00	56.24
22867	CE	LYS	D	589			-12.316		741	1.00	58.28
22868	NZ			589			-11.165		007	1.00	60.63
22869	C	LYS		589			-16.788		665	1.00	48.47
22870	Ö	LYS	D	589			-17.158		759	1.00	49.01
22871	N			590			-17.283		515		47.95
22872	CA	MET	D	590		05.591	-18.293		503	1.00	47.45
22873	CB	MET		590			-18.303		171		47.08
22874	CG	MET	D	590			-17.267		106	1.00	46.07
22875	SD	MET	D	590			-17.158		449	1.00	44.94
22876	CE	MET	D	590	-1	09.348	-15.990	60.	659	1.00	45.88
22877	С	MET	D	590	-1	05.095	-19.711	63.	865	1.00	47.12
22878	0	MET	D	590	-1	05.898	-20.636	64.	054	1.00	47.49
22879	N	GLY	D	591	-1	03.776	-19.890	63.	940	1.00	46.11
22880	CA	GLY	D	591	-1	03.200	-21.150	64.	388	1.00	44.74
22881	C	GLY	D	591	-1	02.758	-22.185	63.	369	1.00	44.10
22882	0	GLY	D	591	-1	01.780	-22.897	63.	599	1.00	44.53
22883	N	PHE		592		03.471	-22.294		254	1.00	
22884	CA	PHE	D	592		03.126			258	1.00	40.76
22885	CB	PHE	D	592		04.397	-23.899		674	1.00	41.08
22886	CG	PHE	D	592		05.425			306	1.00	40.63
22887	CD1	PHE	D	592			-22.719		075	1.00	
22888	CE1	PHE		592			-21.772		.727		40.92
22889	CZ	PHE	D	592	-1	07.322	-20.993	59.	602	1.00	39.45

FIGURE 3 QG

22890 CE2 PHE D 592	A	В	С	D	E	F	G	Н	I	J
22891 CD2 PHE D 592 -105.257 -22.087 59.188 1.00 39.90 22893 O PHE D 592 -102.241 -22.752 60.135 1.00 39.98 22894 N VAL D 593 -101.536 -21.658 60.409 1.00 38.64 22895 CA VAL D 593 -101.053 -21.063 59.411 1.00 37.59 22896 CB VAL D 593 -91.01.005 -19.628 59.041 1.00 37.59 22899 CG VAL D 593 -91.70 -21.140 59.807 1.00 36.64 22900 O VAL D 593 -99.77 -21.140 59.807 1.00 36.64 22901 N ASP 594 -96.233 -21.720 58.943 1.00 36.38 22930 CB ASP 594 -96.333 -21.728 59.49 1.00 36.58 2	22890	CE2	PHE	D	592	-106.197	-21.156	58.839	1.00	38.64
22892 C PHE D 592 -102.241 -22.752 60.135 1.00 39.98 22893 N PHE D 592 -102.193 -23.327 59.035 1.00 39.88 22896 C VAL D 593 -101.636 -21.658 60.409 1.00 38.64 22897 CG VAL D 593 -101.00 10.08 58.411 1.00 37.58 22898 CG VAL D 593 -102.168 19.618 58.041 1.00 36.42 22890 C VAL D 593 -102.168 -19.618 58.087 1.00 36.42 22901 N ASP D 594 -98.353 -21.720 58.949 1.00 37.12 22903 CB ASP D 594 -96.230 -22.810 58.434 1.00 36.52 22903 CB ASP D 594 <td></td>										
22893 O PRED 592 -102.193 -23.327 59.035 1.00 39.38 22894 N VAL D 593 -101.536 -21.688 60.409 1.00 38.64 22895 CA VAL D 593 -101.005 -19.628 59.411 1.00 37.58 22898 CG2 VAL D 593 -99.100 18.892 58.427 1.00 36.64 22899 C VAL D 593 -99.170 -21.140 59.807 1.00 36.64 22901 N ASP D 594 -98.353 -21.728 58.943 1.00 37.47 22903 C ASP D 594 -96.923 -21.728 58.943 1.00 36.38 22905 ODI ASP D 594 -94.731 -22.758 58.494 1.00 35.79 22906 ODIZ ASP D 594 -94.181 -21.900 59.292 1.00 36.57 <t< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></t<>										
22894 N VAL D 593 -101.536 -21.658 60.409 1.00 38.64 22895 C VAL D 593 -101.630 -21.063 59.411 1.00 37.59 22896 CB VAL D 593 -101.005 -19.628 59.041 1.00 37.59 22898 CG2 VAL D 593 -102.186 -19.618 58.087 1.00 36.64 22890 CVAL D 593 -102.186 -19.618 58.087 1.00 36.64 22890 CVAL D 593 -98.782 -20.674 60.884 1.00 37.12 22901 N ASP D 594 -96.230 -22.17.20 58.493 1.00 36.52 22902 CA ASP D 594 -96.230 -22.810 58.354 1.00 35.77 22904 CG ASP D 594 -94.031 22.758 58.494 1.00 35.89 22906 OD ASP D 594 -94.731 -22.758 58.494 1.00 35.89 22906 OD ASP D 594 -94.181 -21.990 59.292 1.00 36.57 22930 N ASN D 595 -96.160 19.507 59.860 1										
22895 CA VAL D 593 -100.630 -21.083 59.441 1.00 37.58 22896 CB VAL D -93 -101.005 -19.682 59.041 1.00 37.58 22897 CGI VAL D -99.801 -18.892 58.427 1.00 36.42 22890 C VAL D 593 -99.170 -21.140 59.809 1.00 37.47 22900 O VAL D 593 -99.170 -21.140 59.809 1.00 37.47 22901 N ASP D 594 -96.923 -21.728 59.187 1.00 36.38 22903 C ASP D 594 -96.933 -21.728 59.41 1.00 35.39 22905 OD ASP D 594 -94.731 -22.758 58.494 1.00 35.39 22906 OZ ASP D 594 -94.18										
22896 CB VAL D 593 -101.005 -19.628 59.041 1.00 37.59 22898 CG2 VAL D 593 -99.801 -18.892 58.427 1.00 36.64 22890 C VAL D 593 -98.702 -20.674 60.884 1.00 37.12 22900 O VAL D 593 -98.782 -20.674 60.884 1.00 37.12 22901 N ASP D 594 -96.230 -22.810 58.494 1.00 36.52 22904 CG ASP D 594 -96.230 -22.810 58.54 1.00 35.77 22906 OD ASP D 594 -94.731 -22.758 58.494 1.00 35.89 22910 C ASP D 594 -94.818 -21.980 59.822 1.00 35.89 22910 C ASP D 594										
22897 CGI VAL D 593 -99.801 -18.892 58.427 1.00 36.42 22898 CG VAL D 593 -99.170 -21.140 59.809 1.00 37.47 22890 O VAL D 593 -99.170 -21.140 59.809 1.00 37.47 22901 N ASP D 594 -98.353 -21.728 58.943 1.00 36.38 22903 CB ASP D 594 -96.233 -21.728 58.187 1.00 36.38 22905 ODI ASP D 594 -94.731 -22.758 58.494 1.00 35.39 22906 ODI ASP D 594 -94.131 -21.980 59.222 1.00 34.16 22907 C ASP D 594 -96.160 -29.578 58.40 1.00 37.17 22910 A ASN D 595 -96.160 -19.507 58.40 1.00 37.17 2										
22898 CG2 VAL D 593 -99.170 -21.186 -19.618 58.087 1.00 36.64 22890 O VAL D 593 -99.170 -21.140 59.809 1.00 37.47 22901 N ASP D 594 -96.23 -21.728 58.943 1.00 36.52 22904 CG ASP D 594 -96.230 -22.810 58.541 1.00 36.57 22905 OB ASP D 594 -94.731 -22.758 58.494 1.00 35.77 22906 OD ASP D 594 -94.008 -23.515 57.002 1.00 35.89 22906 OD ASP D 594 -94.181 -21.996 59.292 1.00 35.89 22910 CA ASP D 594 -96.181 -20.404 57.660 1.00 36.57 22910 CA ASN										
22899 C VAL D 593 -99.170 -21.140 59.809 1.00 37.12 22901 N ASP D 594 -98.353 -21.720 58.943 1.00 37.12 22902 CA ASP D 594 -96.923 -21.728 58.943 1.00 36.38 22903 CB ASP D 594 -96.233 -21.728 58.947 1.00 36.38 22904 CG ASP D 594 -94.731 -22.758 58.494 1.00 35.39 22905 ODI ASP D 594 -94.731 -22.758 58.494 1.00 35.39 22907 C ASP D 594 -94.181 -21.980 59.222 1.00 34.16 22907 C ASP D 594 -94.181 -21.980 59.292 1.00 36.78 22909 N ASN D 595 -96.160 -19.507 59.840 1.00 36.78 22910 CA ASN D 595 -95.634 -17.491 61.08 1.00 36.78 22911 CB ASN D 595 -96.649 -17.078 61.699 1.00 41.48 22914 NDZ ASN D 595 -97.746 -17.471 61.280 1.0										
22900 O VAL D 593 -98.782 -20.674 60.884 1.00 37.47 22901 N ASP 594 -98.353 -21.728 58.943 1.00 36.52 22902 CA ASP D 594 -96.23 -21.728 59.187 1.00 36.38 22903 CB ASP D 594 -94.731 -22.758 58.494 1.00 35.79 22906 ODZ ASP D 594 -94.008 -23.515 57.002 1.00 35.89 22907 C ASP D 594 -94.181 -21.034 58.30 1.00 36.57 22910 A ASN D 594 -96.181 -20.044 57.650 1.00 37.54 22910 A ASN D 595 -96.160 -19.507 59.80 1.00 36.30 22911 CB ASN D 595 -95.377 </td <td></td>										
22910 N ASP D 594 -98.353 -21.720 58.493 1.00 36.52 22902 CA ASP D 594 -96.23 -21.720 58.354 1.00 36.52 22903 CB ASP D 594 -96.230 -22.810 58.354 1.00 35.37 22905 ODI ASP D 594 -94.00 -23.515 57.802 1.00 35.39 22907 C ASP D 594 -96.181 -20.044 57.650 1.00 36.71 22909 O ASP D 594 -96.181 -20.044 57.650 1.00 36.71 22909 O ASP D 595 -96.181 -20.044 57.650 1.00 36.73 22910 CA ASN D 595 -95.377 17.491 61.018 1.00 36.78 22911 CB ASN D 595 -96.649 -17.478 61.690 1.00 37.54 2291										
22902 CA ASP D 594 -96.923 -21.728 59.187 1.00 36.38 22903 CB ASP D 94 -96.233 -22.1782 58.354 1.00 35.79 22905 ODI ASP D 594 -94.731 -22.758 58.494 1.00 35.39 22906 ODIZ ASP D 594 -94.181 -21.980 59.292 1.00 35.89 22907 C ASP D 594 -96.134 -20.345 58.830 1.00 36.57 22910 OA ASN D 595 -96.160 -19.507 59.840 1.00 36.30 22911 CB ASN D 595 -96.160 -19.507 59.840 1.00 36.30 22911 CB ASN D 595 -95.377 -17.491 61.091 1.00 45.39 22912 CG ASN D 59										
22930 CB ASP D 594 -96.230 -22.810 58.34 1.00 35.77 22905 CDI ASP D 594 -94.731 -22.758 58.494 1.00 35.39 22906 ODI ASP D 594 -94.181 -21.980 55.292 1.00 34.16 22907 C ASP D 594 -96.374 -20.345 58.830 1.00 36.71 22909 N ASN D 595 -96.160 -19.507 59.840 1.00 36.71 22910 CA ASN D 595 -96.160 -19.507 59.606 1.00 36.78 22911 CB ASN D 595 -95.634 -18.148 59.666 1.00 36.78 22912 CG ASN D 595 -96.649 -17.078 61.699 1.00 41.48 22914 ND ASN D 595 </td <td></td>										
22904 CG ASP D 594 -94.731 -22.758 58.494 1.00 35.39 22905 ODI ASP D 94.08 -24.008 23.515 57.802 1.00 35.39 22907 C ASP D 594 -94.181 -21.1980 59.292 1.00 34.16 22908 O ASP D 594 -96.181 -20.044 57.650 1.00 36.57 22910 CA ASN D 595 -96.160 -19.507 59.840 1.00 36.30 22911 CB ASN D 595 -96.160 -19.507 59.840 1.00 36.30 22911 CB ASN D 595 -95.377 -17.491 61.091 1.00 43.30 22912 CG ASN D 595 -97.746 -17.471 61.0280 1.00 45.39 22914 ND ASN D 59										
22905 ODI ASP D 594 -94.008 -23.515 57.802 1.00 35.89 22907 C ASP D 594 -94.181 -21.980 59.222 1.00 35.89 22907 C ASP D 594 -96.374 -20.345 58.830 1.00 36.57 22909 N ASN D 595 -96.160 -19.507 59.400 1.00 36.78 22911 CB ASN D 595 -95.634 -18.148 59.656 1.00 36.78 22912 CG ASN D 595 -95.637 -17.078 61.699 1.00 41.48 22913 OLI ASN D 595 -96.649 -17.078 61.699 1.00 41.48 22914 NDZ ASN D 595 -96.526 -16.287 62.060 1.00 43.93 22915 C ASN D 595 -94.352 -18.036 58.835 1.00 35.40 22916 O ASN D 595 -94.352 -18.036 58.837 1.00 35.40 22917 N LYS D 596 -93.648										
22906 ODZ ASP D 594 -94.181 -21.980 59.292 1.00 34.16 22907 C ASP D 594 -96.374 -20.345 58.830 1.00 36.77 22908 O ASN D 595 -96.160 -19.507 58.400 1.00 37.17 22911 CA ASN D 595 -95.377 -17.491 61.081 1.00 37.54 22911 CB ASN D 595 -96.649 -17.078 61.699 1.00 47.54 22914 ND ASN D 595 -96.5649 -17.078 61.699 1.00 41.53 22914 ND ASN D 595 -97.746 -17.471 61.280 1.00 45.39 22915 C ASN D 595 -94.352 -18.036 58.835 1.00 35.85 22916 O ASN D 596 -93.648 -19.133 58.675 1.00 34.72	22905	OD1	ASP	D	594	-94.008		57.802	1.00	35.89
22907 C ASP D 594 -96.374 -20.345 58.830 1.00 36.57 22908 O ASP D 594 -96.181 -20.044 57.650 1.00 37.17 22909 N ASN D 595 -96.160 -19.507 59.840 1.00 36.30 22911 CB ASN D 595 -95.634 -18.148 59.656 1.00 36.78 22912 CG ASN D 595 -95.377 -17.491 61.018 1.00 37.54 22913 ODI ASN D 595 -96.649 -17.078 61.699 1.00 41.48 22914 NDZ ASN D 595 -97.746 -17.471 61.280 1.00 45.39 22915 C ASN D 595 -96.526 -16.287 62.760 1.00 43.93 22915 C ASN D 595 -94.352 -18.036 58.835 -10.03 58.035 22916 O ASN D 596 -93.994 -16.953 58.370 -10.03 1.00 35.40 22919 CB LYS D 596 -91.435 -20.128 58.507 -10.03 1.00 34.21 22919 CB LYS D 596 -91.550 -19.909 60.401 <td></td> <td>OD2</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>		OD2								
22908 O ASP D 594 -96.181 -20.044 57.650 1.00 37.17 22919 CA ASN D 595 -96.161 -19.507 59.840 1.00 36.30 22911 CB ASN D 595 -95.634 -18.148 59.656 1.00 36.78 22912 CB ASN D 595 -96.649 -17.749 61.098 1.00 47.54 22913 OLD ASN D 595 -96.562 -16.287 62.760 1.00 45.39 22914 ND ASN D 595 -97.746 -17.471 61.699 1.00 45.39 22916 C ASN D 595 -94.352 -18.036 58.835 1.00 35.85 22917 N LYS D 596 -93.648 -19.133 58.675 1.00 34.72 22918 CB LYS D 596 <td></td>										
22910 N ASN D 595 -96.160 -19.507 59.840 1.00 36.30 22911 CB ASN D 595 -95.377 -17.491 61.081 1.00 37.54 22912 CG ASN D 595 -95.377 -17.491 61.699 1.00 47.54 22913 ODI ASN D 595 -96.649 -17.079 61.699 1.00 43.75 22914 NDZ ASN D 595 -97.746 -17.471 61.280 1.00 43.93 22915 C ASN D 595 -94.352 -18.036 58.835 1.00 35.40 22917 N LYS D 596 -93.994 -16.953 58.370 1.00 34.21 22919 CB LYS D 596 -91.435 20.128 58.507 1.00 34.21 22912 CB LYS D 596 -91.250 19.999 60.041 1.00										
22910 CA ASN D 595 -95.634 -18.148 59.666 1.00 36.78 22911 CB ASN D 595 -95.377 -17.491 61.018 1.00 37.54 22912 CG ASN D 595 -96.649 -17.078 61.699 1.00 41.38 22914 ND ASN D 595 -96.526 -16.287 62.760 1.00 45.39 22915 C ASN D 595 -94.352 -18.036 58.835 1.00 35.85 22917 N LYS 596 -93.648 -19.143 58.675 1.00 34.72 22918 CA LYS 596 -91.435 -20.128 58.507 1.00 34.17 22920 CG LYS 596 -91.50 -20.773 60.662 1.00 34.17 22920 CG LYS 596 -91.50 -20.773 60.662 1.00 34.17 22921										
22911 CB ASN D 595 -95.377 -17.491 61.081 1.00 37.54 22912 CB ASN D 595 -96.6469 -17.078 61.699 1.00 41.84 22914 ND2 ASN D 595 -96.526 -16.287 62.760 1.00 43.93 22915 C ASN D 595 -94.352 -18.036 58.835 1.00 35.40 22917 N LYS D 596 -93.648 -19.143 58.675 1.00 34.21 22918 CA LYS D 596 -93.648 -19.143 58.675 1.00 34.21 22919 CB LYS D 596 -91.250 -19.909 60.041 1.00 34.21 22921 CD LYS D 596 -91.250 19.909 60.041 1.00 36.54 22921 CD LYS D 596 -91.550 -20.773 60										
22912 CG ASN D 595 -96.649 -17.078 61.699 1.00 41.48 22913 ODI ASN D 595 -97.746 -17.471 61.280 1.00 43.93 22915 C ASN D 595 -96.526 -16.287 62.760 1.00 43.93 22916 C ASN D 595 -93.994 -16.953 58.370 1.00 35.85 22917 N LYS D 596 -93.448 -19.143 58.675 1.00 34.72 22910 CB LYS D 596 -91.435 -50.128 58.507 1.00 34.17 22921 CB LYS D 596 -91.435 -50.128 58.507 1.00 34.17 22921 CB LYS D 596 -91.550 -20.128 58.507 1.00 34.17 22922 CE LYS D 596 -91.563 -22.277 60.										
22913 ODI ASN D 595 -97.746 -17.471 61.280 1.00 45.39 22914 ADL ASN D 595 -96.526 -16.287 62.760 1.00 43.93 22915 C ASN D 595 -94.352 -18.036 58.835 1.00 35.85 22917 N LYS D 596 -93.646 -19.143 58.675 1.00 34.72 22918 CA LYS D 596 -91.435 -20.128 58.507 1.00 34.72 22921 CB LYS D 596 -91.250 -19.909 60.041 1.00 36.54 22921 CB LYS D 596 -91.250 -19.909 60.041 1.00 36.54 22921 CB LYS D 596 -90.308 -22.227 60.661 1.00 40.13 22923 CX LYS D 596<										
22916 ND ASN D 595 -96.526 -16.287 62.760 1.00 34.93 22916 C ASN D 595 -94.352 -18.036 58.835 1.00 35.85 22917 N LYS D 596 -93.464 -19.143 58.675 1.00 34.72 22919 CB LYS D 596 -92.413 -19.119 57.920 1.00 34.17 22910 CB LYS D 596 -91.250 -19.09 60.041 1.00 36.41 22921 CB LYS D 596 -91.550 -19.09 60.041 1.00 36.41 22922 CB LYS D 596 -90.150 -20.773 60.662 1.00 47.81 22922 CB LYS D 596 -91.635 -22.778 60.662 1.00 40.13 22923 C LYS D 596										
22915 C ASN D 595 -94.352 -18.036 58.835 1.00 35.85 22916 O ASN D 595 -93.94 -16.953 58.370 1.00 35.85 22917 N LYS D 596 -93.648 -19.143 58.675 1.00 34.72 22918 CR LYS D 596 -91.435 -20.128 58.507 1.00 34.21 22920 CG LYS D 596 -91.250 -19.909 60.641 1.00 36.54 22922 CE LYS D 596 -90.150 -20.773 60.662 1.00 40.13 22923 NZ LYS D 596 -90.308 -22.227 60.766 1.00 40.13 22924 C LYS D 596 -91.635 22.2778 60.666 1.00 40.13 22925 O LYS D 596 -91.740 <t< td=""><td>22914</td><td>ND2</td><td>ASN</td><td>D</td><td>595</td><td>-96.526</td><td>-16.287</td><td></td><td>1.00</td><td>43.93</td></t<>	22914	ND2	ASN	D	595	-96.526	-16.287		1.00	43.93
22916 O ASN D 595 -93.994 -16.953 58.370 1.00 35.40 22917 N LYS D 596 -93.648 -19.113 58.675 1.00 34.72 22918 CA LYS D 596 -92.413 -19.119 57.920 1.00 34.22 22910 CB LYS D 596 -91.250 -19.90 60.041 1.00 36.47 22921 CD LYS D 596 -90.150 -20.773 60.662 1.00 47.81 22922 CE LYS D 596 -90.308 -22.2778 60.266 1.00 41.92 22923 NZ LYS D 596 -91.635 -22.778 60.666 1.00 40.13 22924 C LYS D 596 -91.635 -22.278 60.666 1.00 41.92 22925 O LYS D 596 -91.740 -19.205 55.602 1.00 33.28 22925 C ARG D 597 -94.289 -13.59 56.491 1.00	22915	С	ASN	D	595				1.00	
22917 N LYS D 596 -93.648 -19.143 58.675 1.00 34.72 22918 CA LYS D -96 -92.413 -19.119 57.920 1.00 34.72 22919 CB LYS D -96 -91.250 -19.999 60.041 1.00 34.17 22921 CD LYS D 596 -91.550 -19.999 60.662 1.00 34.17 22922 CE LYS D 596 -90.308 -22.227 60.662 1.00 40.13 22923 NZ LYS D 596 -91.635 -22.778 60.662 1.00 40.13 22924 C LYS D 596 -91.635 -22.778 60.662 1.00 40.13 22925 C LYS D 596 -91.647 -19.205 55.602 1.00 33.28 22925 C LYS D 597										
22918 CA LYS D 596 -92.413 -19.119 57.20 1.00 34.21 22919 CB LYS D 596 -91.250 -19.909 60.041 1.00 34.51 22921 CD LYS D 596 -90.150 -20.773 60.662 1.00 37.81 22922 CE LYS D 596 -90.630 -22.277 60.662 1.00 37.81 22922 CE LYS D 596 -91.635 -22.778 60.666 1.00 41.92 22925 C LYS D 596 -92.651 -19.320 56.417 1.00 33.31 22926 N ARG D 597 -93.889 -19.597 56.042 1.00 33.31 22928 CB ARG D 597 -94.202 -19.812 54.644 1.00 31.94 22930 CD ARG D 597 -92.965 -21.992 54.619 1.00 34.21 2										
22919 CB LYS D 596 -91.435 -20.128 58.507 1.00 34.17 22921 CD LYS D 696 -91.550 -19.90 60.641 1.00 36.43 22921 CD LYS D 596 -90.150 -20.773 60.662 1.00 37.81 22922 CE LYS D 596 -91.635 -22.277 60.662 1.00 40.13 22924 C LYS D 596 -91.740 -19.205 55.602 1.00 33.28 22925 O LYS D 596 -91.740 -19.205 55.602 1.00 33.28 22927 C ARG D 597 -94.289 -21.301 54.364 1.00 32.32 22929 CG ARG D 597 -94.289 -21.301 54.364 1.00 32.07 22930 CD ARG D 597										
22920 C LYS D 596 -91.250 -19.909 60.041 1.00 36.54 22921 C LYS D 596 -90.150 -20.773 60.662 1.00 37.81 22922 CE LYS D 596 -91.635 -22.778 60.626 1.00 40.13 22924 C LYS D 596 -91.635 -22.778 60.686 1.00 41.92 22925 N LYS D 596 -91.740 -19.205 55.602 1.00 33.31 22927 C ARG D 597 -93.889 -19.597 56.049 1.00 33.31 22928 C ARG D 597 -94.202 -19.812 54.644 1.00 31.94 22930 C ARG D 597 -92.965 -21.992 54.619 1.00 34.21 22930 C ARG D 597 -92.911 23.463 54.314 1.00 34.91 22931 </td <td>22919</td> <td>CB</td> <td>LYS</td> <td>D</td> <td>596</td> <td>-91.435</td> <td>-20.128</td> <td>58.507</td> <td></td> <td>34.17</td>	22919	CB	LYS	D	596	-91.435	-20.128	58.507		34.17
22922 CE LYS D 596 -90.308 -22.227 60.276 1.00 40.13 22924 C LYS D 596 -91.635 -22.778 60.686 1.00 41.92 22925 C LYS D 596 -91.651 -19.320 56.417 1.00 33.28 22926 N ARG D 597 -93.889 -19.557 56.049 1.00 32.32 22928 CB ARG D 597 -94.202 -19.812 54.644 1.00 31.94 22930 CB ARG D 597 -92.965 -21.992 54.619 1.00 34.21 22930 CD ARG D 597 -92.965 -21.992 54.619 1.00 34.21 22931 NE ARG D 597 -92.911 -23.463 54.314 1.00 34.21 22932 CZ ARG D 597 -94.198 25.410 55.099 1.00 36.28 22	22920	CG	LYS	D	596	-91.250	-19.909		1.00	36.54
22922 CE LYS D 596 -90.308 -22.227 60.276 1.00 40.13 22924 C LYS D 596 -91.635 -22.778 60.686 1.00 41.92 22925 C LYS D 596 -91.651 -19.320 56.417 1.00 33.28 22926 N ARG D 597 -93.889 -19.557 56.049 1.00 32.32 22928 CB ARG D 597 -94.202 -19.812 54.644 1.00 31.94 22930 CB ARG D 597 -92.965 -21.992 54.619 1.00 34.21 22930 CD ARG D 597 -92.965 -21.992 54.619 1.00 34.21 22931 NE ARG D 597 -92.911 -23.463 54.314 1.00 34.21 22932 CZ ARG D 597 -94.198 25.410 55.099 1.00 36.28 22	22921	CD	LYS	D	596	-90.150	-20.773	60.662	1.00	37.81
22924 C LYS D 596 -92.651 -19.320 56.417 1.00 33.28 22925 O LYS D 596 -91.740 -19.205 55.602 1.00 33.31 22926 N ARG D 597 -93.889 -19.597 56.049 1.00 32.32 22927 CA ARG D 597 -94.202 -19.812 54.644 1.00 32.31 22928 CB ARG D 597 -94.289 -21.301 54.364 1.00 32.32 22930 CD ARG D 597 -92.965 -21.992 54.619 1.00 34.21 22931 NE ARG D 597 -92.917 -24.207 55.309 1.00 34.21 22932 CZ ARG D 597 -94.198 25.410 55.095 1.00 36.28 22932 CZ ARG D 597 -94.101 -25.999 53.911 1.00 38.90 22934 NH2 ARG D 597 -94.060 -26.099 53.911 1.00 38.90 22935 C ARG D 597 -95.474 -19.033 54.193 1.00 37.92 22937 N NLE D 598 -95.442 -17.768 54.225 1.00 29.08 22938 CA LLE D 598 -96.57	22922	CE	LYS	D	596	-90.308	-22.227	60.276	1.00	40.13
22925 O LYS D 596 -91.740 -19.205 55.602 1.00 33.31 22926 N ARG D 597 -94.202 -19.812 56.049 1.00 32.32 22927 CA ARG D 597 -94.202 -19.812 54.644 1.00 31.94 22929 CB ARG D 597 -94.289 -21.301 54.364 1.00 34.20 22931 CD ARG D 597 -92.965 -21.992 54.619 1.00 34.83 22931 NE ARG D 597 -92.971 -23.463 54.314 1.00 34.83 22932 CZ ARG D 597 -94.198 -25.416 55.095 1.00 36.14 22933 NH ARG D 597 -94.806 -26.040 56.049 1.00 37.9 22934 NH ARG D 597 <td>22923</td> <td>NZ</td> <td>LYS</td> <td>D</td> <td>596</td> <td>-91.635</td> <td>-22.778</td> <td>60.686</td> <td>1.00</td> <td>41.92</td>	22923	NZ	LYS	D	596	-91.635	-22.778	60.686	1.00	41.92
22926 N ARG D 597 -93.889 -19.597 56.049 1.00 32.32 22927 CA ARG D 597 -94.289 -21.301 54.364 1.00 31.94 22928 CB ARG D 597 -94.289 -21.301 54.364 1.00 32.07 22929 CG ARG D 597 -92.965 -21.992 54.619 1.00 34.21 22930 CD ARG D 597 -92.971 -23.463 54.314 1.00 34.21 22931 NE ARG D 597 -94.198 -25.416 55.095 1.00 36.28 22933 NH1 ARG D 597 -94.108 -25.499 53.911 1.00 38.90 22934 NH2 ARG D 597 -94.010 -25.999 53.911 1.00 37.79 22935 C ARG D 597 -95.474 -19.093 54.193 1.00 37.09 22936 O ARG D 597 -95.474 -19.093 54.193 1.00 37.09 22937 N ILE D 598 -95.442 -17.768 53.255 1.00 29.08 22938 CA ILE D 598 -96.571 -16.980 53.373 1.00 27.73 22939 CB ILE D 598 -97.092 -15.999 54.00 1.00 27.09	22924	C	LYS	D	596	-92.651	-19.320	56.417	1.00	33.28
22927 CA ARG D 597 -94.202 -19.812 54.644 1.00 31.94 22928 CB ARG D 597 -92.965 -21.992 54.619 1.00 32.07 22930 CD ARG D 597 -92.971 -23.463 54.314 1.00 34.23 22931 NE ARG D 597 -93.720 -24.207 55.309 1.00 36.28 22933 NH2 ARG D 597 -94.198 -25.416 55.095 1.00 38.14 22934 NH2 ARG D 597 -94.198 -25.416 55.095 1.00 38.90 22934 NH2 ARG D 597 -94.860 -26.040 56.049 1.00 37.79 22936 C ARG D 597 -95.474 -19.093 54.193 1.00 30.69 22936 O ARG D 597	22925	0	LYS	D	596	-91.740	-19.205	55.602	1.00	33.31
22928 CB ARG D 597 -94.289 -21.301 54.364 1.00 32.07 22930 CD ARG D 597 -92.965 -21.992 54.619 1.00 34.21 22931 NE ARG D 597 -92.971 -23.463 54.314 1.00 34.83 22931 NE ARG D 597 -94.198 -25.416 55.095 1.00 36.28 22934 NH2 ARG D 597 -94.010 -25.999 53.911 1.00 38.90 22934 NH2 ARG D 597 -95.474 -19.093 54.193 1.00 30.69 22936 C ARG D 597 -95.474 -19.033 54.193 1.00 30.79 22937 N ILE D 598 -95.442 -17.768 54.225 1.00 29.73 22938 CA ILE D 598<	22926	N	ARG	D	597	-93.889	-19.597	56.049	1.00	32.32
22929 CG ARG D 597 -92.965 -21.992 54.619 1.00 34.21 22931 NE ARG D 597 -92.971 -23.463 54.314 1.00 34.83 22932 CZ ARG D 597 -94.198 -25.416 55.095 1.00 38.14 22933 NH1 ARG D 597 -94.100 -25.999 53.911 1.00 38.14 22934 NH2 ARG D 597 -94.860 -26.040 56.049 1.00 37.79 22935 C ARG D 597 -95.474 -19.033 54.193 1.00 37.79 22936 C ARG D 597 -96.473 -19.730 53.875 1.00 37.79 22937 N I.LE D 598 -96.473 -19.730 53.973 1.00 20.79 22938 CA I.LE D 598		CA	ARG	D	597	-94.202	-19.812	54.644	1.00	31.94
22930 CD ARG D 597 -92.971 -23.463 54.314 1.00 34.83 22931 NE ARG D 597 -94.198 -25.416 55.095 1.00 36.28 22933 NH ARG D 597 -94.198 -25.416 55.095 1.00 38.90 22934 NH2 ARG D 597 -94.606 -26.040 56.049 1.00 37.90 22935 C ARG D 597 -95.474 -19.093 54.193 1.00 30.69 22936 C ARG D 597 -95.474 -19.093 54.93 1.00 30.69 22937 N ILE D 598 -95.442 -17.768 54.225 1.00 29.08 22938 CA ILE D 598 -96.571 -16.980 53.737 1.00 27.73 22939 CB ILE D 598 <td>22928</td> <td>CB</td> <td>ARG</td> <td>D</td> <td>597</td> <td>-94.289</td> <td>-21.301</td> <td></td> <td></td> <td></td>	22928	CB	ARG	D	597	-94.289	-21.301			
22930 CD ARG D 597 -92.971 -23.463 54.314 1.00 34.83 22931 CZ ARG D 597 -94.720 -24.207 55.309 1.00 36.28 22933 NH ARG D 597 -94.10 -25.999 53.911 1.00 38.90 22934 NH ARG D 597 -94.60 -26.040 56.049 1.00 37.90 22935 C ARG D 597 -95.474 -19.093 54.193 1.00 30.69 22936 C ARG D 597 -95.474 -19.093 54.193 1.00 30.69 22937 N ILE D 598 -95.442 -17.768 54.225 1.00 29.08 22938 CA ILE D 598 -96.571 -16.980 53.737 1.00 27.73 22939 CB ILE D 598	22929	CG	ARG	D	597	-92.965	-21.992	54.619	1.00	34.21
22932 CZ ARG D 597 -94.198 -25.416 55.095 1.00 38.14 22933 NH1 ARG D 597 -94.010 -25.999 53.911 1.00 38.90 22934 NH2 ARG D 597 -94.860 -26.040 56.049 1.00 37.79 22935 C ARG D 597 -95.474 -19.093 53.857 1.00 30.69 22937 N ILE D 598 -95.442 -17.768 54.225 1.00 29.08 22938 CA ILE D 598 -96.571 -16.500 53.737 1.00 27.73 22939 CB ILE D 598 -97.092 -15.999 54.803 1.00 20.92	22930	CD				-92.971	-23.463	54.314	1.00	34.83
22933 NH1 ARG D 597 -94.010 -25.999 53.911 1.00 38.90 22934 NH2 ARG D 597 -94.860 -26.040 56.049 1.00 37.79 22935 C ARG D 597 -95.474 -19.093 54.193 1.00 30.69 22936 O ARG D 597 -96.473 -19.730 53.657 1.00 30.79 22937 N ILE D 598 -96.472 -17.768 54.225 1.00 29.08 22938 CA ILE D 598 -96.571 -16.980 53.737 1.00 27.73 22939 CB ILE D 598 -97.092 -15.999 54.803 1.00 27.73	22931	NE	ARG	D	597	-93.720	-24.207	55.309	1.00	36.28
22934 NH2 ARG D 597 -94.860 -26.040 56.049 1.00 37.79 22935 C ARG D 597 -95.474 -19.093 54.193 1.00 30.69 22937 N ILE D 598 -95.442 -17.768 54.225 1.00 29.08 22938 CA ILE D 598 -96.571 -16.980 53.737 1.00 27.73 22939 CB ILE D 598 -97.092 -15.999 54.803 1.00 27.92	22932	CZ	ARG	D	597	-94.198	-25.416	55.095	1.00	38.14
22935 C ARG D 597 -95.474 -19.093 54.193 1.00 30.69 22937 N ILE D 598 -95.442 -17.768 54.225 1.00 20.79 22938 CA ILE D 598 -96.571 -16.980 53.737 1.00 27.73 22939 CB ILE D 598 -97.092 -15.999 54.803 1.00 27.92	22933	NH1	ARG	D	597	-94.010	-25.999	53.911	1.00	38.90
22936 O ARG D 597 -96.473 -19.730 53.857 1.00 30.79 22937 N ILE D 598 -95.442 -17.768 54.225 1.00 29.08 22938 CA ILE D 598 -96.571 -16.980 53.737 1.00 27.73 22939 CB ILE D 598 -97.092 -15.999 54.803 1.00 27.79	22934	NH2	ARG	D	597	-94.860	-26.040	56.049	1.00	37.79
22937 N ILE D 598 -95.442 -17.768 54.225 1.00 29.08 22938 CA ILE D 598 -96.571 -16.980 53.737 1.00 27.73 22939 CB ILE D 598 -97.092 -15.999 54.803 1.00 27.92	22935	C	ARG	D	597	-95.474	-19.093	54.193	1.00	30.69
22937 N ILE D 598 -95.442 -17.768 54.225 1.00 29.08 22938 CA ILE D 598 -96.571 -16.980 53.737 1.00 27.73 22939 CB ILE D 598 -97.092 -15.999 54.803 1.00 27.92	22936	0	ARG	D	597	-96.473	-19.730	53.857	1.00	30.79
22938 CA ILE D 598 -96.571 -16.980 53.737 1.00 27.73 22939 CB ILE D 598 -97.092 -15.999 54.803 1.00 27.92	22937	N	ILE	D	598	-95.442	-17.768		1.00	29.08
	22938	CA	ILE	D	598	-96.571	-16.980	53.737	1.00	27.73
22940 CG1 ILE D 598 -97.392 -16.759 56.110 1.00 26.82	22939	CB	ILE	D	598	-97.092	-15.999	54.803	1.00	27.92
	22940	CG1	ILE	D	598	-97.392	-16.759	56.110	1.00	26.82

FIGURE 3 QH

A	В	С	D	Е	F	G	Н	I	J
22941	CD1	ILE	D	598	-97.873	-15.890	57.219	1.00	25.20
22942	CG2	ILE	D	598	-98.342	-15.300	54.329	1.00	25.89
22943	С	ILE		598		-16.276	52.488		27.30
22944	0	ILE		598		-15.649	52.471		26.65
22945	N	ALA	D	599	-96.846	-16.448	51.419	1.00	26.51
22946	CA	ALA	D	599	-96.491	-15.902	50.144		25.08
22947	CB	ALA	D	599	-96.186	-17.014	49.175	1.00	25.13
22948	C	ALA	D	599	-97.655	-15.086	49.669		25.14
22949	0	ALA	D	599	-98.724	-15.064	50.295	1.00	24.14
22950	N	ILE	D	600	-97.444	-14.383	48.563	1.00	24.78
22951	CA	ILE	D	600	-98.485	-13.536	48.032	1.00	23.69
22952	CB	ILE	D	600	-98.459	-12.153	48.722	1.00	24.06
22953	CG1	ILE	D	600	-99.587	-11.273	48.193	1.00	23.71
22954	CD1	ILE	D	600	-99.725	-9.971	48.917	1.00	21.11
22955	CG2	ILE	D	600	-97.081	-11.463	48.559		22.54
22956	C	ILE	D	600	-98.274	-13.440	46.548		23.68
22957	0	ILE	D	600	-97.149		46.049		23.70
22958	N	TRP	D	601	-99.369		45.818		23.86
22959	CA	TRP	D	601		-13.281	44.376		22.92
22960	CB	TRP	D	601	-99.091	-14.680	43.784		22.51
22961	CG	TRP	D	601	-100.342	-15.316	43.245		22.42
22962	CD1	TRP		601	-101.266		43.949	1.00	
22963	NE1	TRP		601	-102.258		43.121		22.82
22964	CE2	TRP	D	601		-16.092	41.834	1.00	
22965	CD2	TRP	D	601	-100.767	-15.365	41.874		23.54
22966	CE3	TRP	D	601	-100.250		40.673		23.20
22967	CZ3	TRP	D	601	-100.937	-15.104	39.498	1.00	
22968	CH2	TRP		601	-102.146	-15.832	39.492		23.52
22969	CZ2	TRP	D	601	-102.674	-16.331	40.646	1.00	
22970	C	TRP		601	-100.514	-12.627	43.843		22.66
22971 22972	0	TRP		601 602	-101.545 -100.389		44.493 42.656		22.09
22972	N CA		D D	602	-100.389	-12.044	42.015		21.84
22973	CA	GLY	D	602	-101.468	-10.926	40.603		21.79
22975	0	GLY	D	602	-99.926		40.003		22.06
22976	N	TRP	D	603	-102.071	-10.438	39.872		22.68
22977	CA	TRP	D	603	-101.951	-10.131	38.455	1.00	23.29
22978	CB	TRP	D	603	-102.806	-11.160	37.719	1.00	23.27
22979	CG	TRP	D	603	-102.592	-11.304	36.278		25.73
22980	CD1	TRP	D	603	-102.670	-10.327	35.335	1.00	
22981	NE1		D	603	-102.409	-10.852	34.090		28.83
22982	CE2	TRP	D	603	-102.166	-12.196	34.209	1.00	28.70
22983	CD2	TRP		603	-102.284	-12.520	35.574	1.00	
22984	CE3	TRP	D	603	-102.069	-13.852	35.967		29.49
22985	CZ3	TRP	D	603	-101.772	-14.801	34.994		29.73
22986	CH2	TRP		603	-101.676	-14.442	33.640		28.93
22987	CZ2	TRP	D	603	-101.877	-13.150	33.232	1.00	28.88
22988	С	TRP	D	603	-102.542	-8.750	38.254	1.00	
22989	Ō	TRP	D	603	-103.594	-8.463	38.792	1.00	23.07
22990	N	SER	D	604	-101.873	-7.886	37.494		24.27
22991	CA	SER	D	604	-102.407	-6.535	37.222	1.00	24.66

FIGURE 3 QI

A	В	С	D	E	F	G	H	I	J
22992	СВ	SER	D	604	-103.789	-6.615	36.568	1.00	24.77
22993	OG			604	-104.070	-5.413	35.859		26.90
22994	C			604	-102.422	-5.670	38.486		23.41
22995	0			604	-101.372	-5.445	39.058		23.95
22996	N	TYR			-103.579	-5.193	38.931		23.03
22997	CA	TYR			-103.631	-4.467	40.203		22.68
22998	CB	TYR			-105.054	-4.018	40.581	1.00	
22999	CG	TYR			-105.036	-2.841	41.583		24.08
23000	CD1	TYR			-105.355	-1.549	41.178	1.00	
23001	CE1	TYR			-105.338	-0.482	42.061	1.00	
23002	CZ	TYR			-104.977	-0.696	43.366		23.44
23003	OH	TYR			-104.941	0.359	44.218	1.00	
23004	CE2	TYR			-104.645	-1.964	43.817		24.51
23005	CD2	TYR			-104.660	-3.032	42.921	1.00	
23006	C	TYR			-103.053	-5.407	41.267	1.00	
23007	0	TYR			-102.310	-4.995	42.169	1.00	22.81
23008	N	GLY		606	-103.356	-6.687	41.112	1.00	
23009	CA	GLY			-102.812	-7.697	41.981	1.00	21.79
23010	C	GLY		606	-101.293	-7.751	41.985	1.00	
23011	Ō	GLY			-100.695	-8.008	43.023	1.00	
23012	N	GLY			-100.662	-7.548	40.835	1.00	20.80
23013	CA	GLY	D	607	-99.208	-7.534	40.794	1.00	20.33
23014	С	GLY			-98.629	-6.308	41.505		21.15
23015	0	GLY			-97.564	-6.384	42.123	1.00	
23016	N	TYR	D	608	-99.325	-5.172	41.394	1.00	21.32
23017	CA	TYR			-98.955	-3.955	42.075		21.05
23018	CB	TYR			-99.920	-2.870	41.644	1.00	21.75
23019	CG	TYR			-99.789	-1.561	42.412	1.00	19.88
23020	CD1	TYR			-100.839	-1.076	43.171	1.00	18.29
23021	CE1	TYR	D	608	-100.738	0.144	43.831	1.00	19.02
23022	CZ	TYR	D	608	-99.576	0.867	43.738	1.00	18.01
23023	OH	TYR	D	608	-99.460	2.076	44.406	1.00	19.81
23024	CE2	TYR	D	608	-98.518	0.382	42.994	1.00	16.72
23025	CD2	TYR	D	608	-98.639	-0.802	42.326	1.00	16.68
23026	C	TYR	D	608	-99.033	-4.139	43.592	1.00	21.56
23027	0	TYR	D	608	-98.074	-3.875	44.301	1.00	21.04
23028	N	VAL	D	609	-100.173	-4.617	44.090	1.00	21.97
23029	CA	VAL	D	609	-100.330	-4.835	45.529	1.00	22.43
23030	CB	VAL	D	609	-101.749	-5.254	45.905	1.00	22.62
23031	CG1	VAL	D	609	-101.836	-5.550	47.428	1.00	22.40
23032	CG2	VAL	D	609	-102.699	-4.105	45.568	1.00	22.38
23033	C	VAL	D	609	-99.312	-5.822	46.066	1.00	23.00
23034	0	VAL	D	609	-98.640	-5.546	47.077	1.00	23.05
23035	N	THR	D	610	-99.167	-6.943	45.356	1.00	23.22
23036	CA	THR	D	610	-98.195	-7.967	45.702	1.00	
23037	CB	THR	D	610	-98.125	-9.072	44.599	1.00	22.93
23038	OG1	THR	D	610	-99.203	-9.996	44.777	1.00	22.62
23039	CG2	THR			-96.871	-9.962	44.779		22.26
23040	C	THR			-96.834	-7.352	45.873		23.38
23041	0	THR			-96.152	-7.606	46.865		23.59
23042	N	SER	D	611	-96.431	-6.556	44.887	1.00	23.59

FIGURE 3 QJ

23043 CA SER D 611	A	В	С	D	Е	F	G	H	I	J
23044 CB SER D 611	23043	CA	SER	D	611	-95.111	-5.923	44.880	1.00	23.09
23045 OS SER D 611 -94.870 -6.221 42.488 1.00 23.80 23046 C SER D 611 -94.981 -4.879 45.993 1.00 23.31 23047 O SER D 611 -93.948 -4.797 46.667 1.00 23.41 23049 CA MET D 612 -96.041 -4.089 46.177 1.00 22.64 23051 CG MET D 612 -97.403 -2.311 47.109 1.00 21.27 23052 SD MET D 612 -96.138 -0.132 45.962 1.00 22.54 23053 CE MET D 612 -95.945 -3.743 48.593 1.00 22.15 23055 O MET D 612 -95.935 -3.743 48.593 1.00 22.13 23055 O WAL D 613 -96.511 -4.889 48.753 1.00 22.13 23056										
23046 C										
23048 N MET D 612										
23048 N. MET D 612 -96.041 -4.089 46.177 1.00 22.64 23049 CA MET D 612 -96.097 -3.081 47.219 1.00 21.27 23051 CG MET D 612 -97.449 -2.311 47.109 1.00 21.27 23052 SD MET D 612 -96.942 0.982 47.037 1.00 22.05 23055 O MET D 612 -95.945 -3.743 48.593 1.00 22.01 23055 O MET D 612 -95.235 -3.233 48.744 1.00 21.46 23056 N VAL D 613 -96.542 -5.669 49.981 1.00 21.48 23058 CB VAL D 613 -97.274 -6.22 50.941 1.00 21.03 23060 CG2 VAL D 613 -97.274 -7.913 50.941 1.00 21.93 23061 C <td></td>										
23049 CA MET D 612 -96.097 -3.081 47.219 1.00 21.73 23050 CB MET D 612 -97.449 -1.400 45.874 1.00 21.73 23051 CG MET D 612 -96.138 -1.400 45.874 1.00 20.75 23053 CE MET D 612 -96.942 0.992 47.037 1.00 22.54 23055 C MET D 612 -95.935 -3.233 49.474 1.00 21.02 23056 N VAL D 613 -96.611 -4.899 48.753 1.00 21.78 23056 N VAL D 613 -96.611 -4.899 49.961 1.00 21.13 23056 CB VAL D 613 -97.625 -6.722 49.969 1.00 21.05 23066 CG VAL D 613 -99.002 -6.207 50.242 1.00 1.96 23061										
23050 CB MET D 612 -97.403 -2.311 47.109 1.00 21.27 23051 G MET D 612 -96.138 -0.132 45.962 1.00 22.54 23052 SD MET D 612 -96.138 -0.132 45.962 1.00 22.54 23055 C MET D 612 -95.945 -3.743 48.593 1.00 22.23 23055 O MET D 612 -95.235 -33.233 49.744 1.00 21.46 23056 N VAL D 613 -96.542 -5.699 49.991 1.00 21.13 23058 CB VAL D 613 -96.542 -5.699 49.991 1.00 21.03 23060 CG VAL D 613 -97.274 -7.913 50.941 1.00 21.43 23061 C VAL D 613 -99.5142 -6.282 50.115 1.00 21.21 23063										
23051 CG MET D 612 -97.449 -1.400 45.874 1.00 20.75 23052 SD MET D 612 -96.942 0.982 47.037 1.00 20.54 23054 C MET D 612 -95.945 -3.233 48.953 1.00 20.55 23055 O MET D 612 -95.235 -3.233 49.474 1.00 21.78 23056 N VAL D 613 -96.611 -4.889 48.753 1.00 21.78 23056 CR VAL D 613 -97.625 -6.722 49.969 1.00 21.05 23059 CGI VAL D 613 -97.625 -6.722 49.969 1.00 21.05 23061 C VAL D 613 -99.002 -6.207 50.422 1.00 11.96 23064 CA LEU D 614 -94.525 -6.234 51.110 1.00 21.23 23065										
23052 SD MET D 612 -96.138 -0.132 45.962 1.00 22.54 23053 CB MET D 612 -95.945 0.982 47.037 1.00 22.23 23055 C MET D 612 -95.945 -3.743 48.593 1.00 22.23 23055 N VAL D 613 -96.512 -5.669 49.989 1.00 21.13 23056 C VAL D 613 -96.542 -5.669 49.989 1.00 21.13 23056 CB VAL D 613 -97.274 -7.913 50.941 1.00 21.49 23060 CG VAL D 613 -99.224 -6.077 50.941 1.00 21.49 23061 C VAL D 613 -99.428 50.242 50.941 1.00 21.49 23062 O VAL D 613 <										
23053 CB MET D 612 -96.942 0.982 47.037 1.00 22.015 23054 C MET D 612 -95.235 -3.233 48.593 1.00 22.23 23056 N VAL D 613 -96.611 -4.889 48.753 1.00 22.17 23057 CA VAL D 613 -96.611 -4.889 48.783 1.00 21.78 23058 CB VAL D 613 -97.625 -6.782 49.969 1.00 21.05 23060 CG2 VAL D 613 -99.002 -6.207 50.242 1.00 19.63 23061 C VAL D 613 -95.124 -6.282 50.115 1.00 21.21 23063 N LEU 614 -94.598 -6.833 49.041 1.00 21.29 23065 CB LEU 614 -93.247 -7.387 49.152 1.00 21.30 23067										
23054 C MET D 612 -95.945 -3.743 48.593 1.00 22.23 23055 O MET D 612 -95.935 -3.233 49.474 1.00 21.46 23056 N VAL D 613 -96.611 -4.889 48.753 1.00 21.78 23057 CA VAL D 613 -96.611 -4.889 48.753 1.00 21.78 23058 CB VAL D 613 -97.625 -6.689 49.969 1.00 21.05 23060 CG2 VAL D 613 -97.274 -7.913 50.941 1.00 21.49 23060 CG2 VAL D 613 -99.202 -6.207 50.242 1.00 19.63 23061 C VAL D 613 -95.142 -6.282 50.115 1.00 21.21 23062 O VAL D 613 -94.525 -6.234 51.180 1.00 22.38 23063 N LEU D 614 -94.598 -6.833 49.041 1.00 21.20 23064 CB LEU D 614 -93.247 -7.387 49.152 1.00 21.30 23065 CB LEU D 614 -93.264 -8.140 47.900 1.00 20.29 23066 CG LEU D 614 -93.264 -8.140 47.900 1.00 20.29 23066 CG LEU D 614 -93.662 -0.428 47.666 1.00 19.95 23067 CDI LEU D 614 -93.662 -0.439 48.841 1.00 19.35 23068 CD2 LEU D 614 -93.662 -0.428 47.666 1.00 19.95 23076 C C LEU D 614 -93.77 -5.083 49.126 1.00 22.26 23077 C LEU D 614 -93.206 -10.047 46.380 1.00 15.59 23078 C LEU D 614 -93.206 -10.47 49.494 49.497 1.00 22.17 23071 N GLY D 615 -91.395 -4.061 49.404 49.497 1.00 22.67 23073 C GLY D 615 -91.306										
23055 O. MBT 0 612 -95.235 -3.233 49.474 1.00 21.46 23056 O. VAL D 613 -96.542 -5.669 49.981 1.00 21.73 23057 CA VAL D 613 -96.542 -5.669 49.981 1.00 21.03 23058 CB VAL D 613 -97.274 -7.913 50.941 1.00 21.03 23060 CG2 VAL D 613 -99.002 -6.207 50.242 1.00 19.63 23063 O. VAL D 613 -95.125 -6.234 51.15 1.00 21.21 23063 N LEU 614 -94.598 -6.833 49.041 1.00 21.20 23064 CB LEU 614 -93.247 -7.387 49.915 1.00 21.30 23067 CD1 LEU 614 -93.462 -10.439 48.841 1.00 19.95 23067										
23056 N VAL D 613 -96.611 -4.889 48.753 1.00 21.78 23057 CA VAL D 613 -96.624 -5.669 49.969 49.961 1.00 21.35 23058 CB VAL D 613 -97.625 -6.782 49.969 1.00 21.05 23060 CG2 VAL D 613 -99.002 -6.207 50.242 1.00 19.63 23061 C VAL D 613 -99.002 -6.207 50.242 1.00 19.63 23062 O VAL D 613 -94.525 -6.234 51.180 1.00 21.21 23063 N LEU D 614 -94.598 -6.833 49.041 1.00 21.20 23064 CA LEU D 614 -94.598 -6.833 49.152 1.00 21.30 23066 CG LEU D 614 -92.854 -8.140 47.900 1.00 20.29 23066 CG LEU D 614 -92.854 -8.140 47.900 1.00 20.29 23066 CG LEU D 614 -93.206 -10.047 46.831 1.00 21.59 23066 CD LEU D 614 -93.706 -10.047 46.830										
23057 CA VAL D 613 -96.542 -5.669 49.981 1.00 21.13 23058 CB VAL D 613 -97.274 -7.913 50.941 1.00 21.49 23060 CG2 VAL D 613 -97.274 -7.913 50.941 1.00 21.49 23061 C VAL D 613 -95.142 -6.282 50.115 1.00 21.29 23063 N LEU D 614 -94.598 -6.833 49.041 1.00 21.23 23065 CB LEU D 614 -93.247 -7.387 49.515 1.00 21.30 23066 CG LEU D 614 -93.636 -9.428 47.666 1.00 19.95 23067 CD LEU D 614 -93.636 -9.428 47.666 1.00 19.95 23076 CD LEU D 614 -93.206 10.047 46.390 1.00 12.57 23077 <td></td>										
23058 CB VAL D 613 -97.625 -6.782 49.969 1.00 21.05 23059 CGI VAL D 613 -97.674 -7.913 50.941 1.00 21.95 23061 C VAL D 613 -99.002 -6.207 50.242 1.00 19.63 23062 O VAL D 613 -94.525 -6.234 51.180 1.00 21.21 23063 N LEU D 614 -93.474 -7.387 49.152 1.00 21.20 23066 CB LEU D 614 -93.636 -9.48 47.666 1.00 21.20 23066 CB LEU D 614 -93.462 10.439 48.841 1.00 19.35 23067 CD LEU D 614 -93.206 10.047 46.380 1.00 22.17 23078 C LEU D 614										
23059 CGI VAL D 613 -97.274 -7.913 50.941 1.00 21.49 23060 CGZ VAL D 613 -99.020 -6.207 50.242 1.00 12.21 23061 C VAL D 613 -95.142 -6.282 50.115 1.00 21.21 23063 N LEU D 614 -94.598 -6.833 49.041 1.00 21.23 23064 CA LEU D 614 -93.254 -8.140 47.900 1.00 21.30 23066 CG LEU D 614 -93.636 -9.428 47.666 1.00 10.99 23067 CDL 1.00 11.99 23067 CDL LEU D 614 -93.206 -10.047 46.30 1.00 12.92 23069 C LEU D 614 -93.206 -10.047 46.30 1.00 22.67 23071<	23058		VAL	D		-97.625	-6.782	49.969	1.00	21.05
23060 CG2 VAL D 613 -99.002 -6.207 50.242 1.00 19.63 23061 C VAL D 613 -95.142 -6.282 50.115 1.00 21.21 23062 O VAL D 613 -94.525 -6.234 51.180 1.00 22.23 23063 N LEU D 614 -93.247 -7.387 49.152 1.00 21.20 23066 CB LEU D 614 -93.636 -9.428 47.666 1.00 21.30 23067 CD1 LEU D 614 -93.636 -9.428 47.666 1.00 19.95 23068 CD2 LEU D 614 -93.636 -9.428 47.666 1.00 19.95 23068 CD2 LEU D 614 -93.206 10.047 46.380 1.00 15.59 23070 CD LEU D 614 -91.75 -6.344 49.47 1.00 22.67 23071 N GLY D 615 -91.726 -3.183 50.655 1.										
23061 C VAL D 613 -95.142 -6.282 50.115 1.00 21.21 23062 O VAL D 613 -94.525 -6.234 51.180 1.00 22.132 23063 N LEU D 614 -94.598 -6.833 49.041 1.00 21.20 23065 CB LEU D 614 -93.247 -7.387 43.152 1.00 21.23 23066 CG LEU D 614 -93.636 -9.428 47.666 1.00 19.95 23066 CG LEU D 614 -93.206 -10.047 46.330 1.00 12.59 23069 C LEU D 614 -93.206 -10.047 49.497 1.00 22.17 23071 N GLY D 615 -91.579 -6.684 50.102 1.00 22.27 23071 N GLY D 615 -91.726 -3.183 50.605 1.00 22.27 23074										
23062 O VAL 0 613 -94.525 -6.234 51.180 1.00 22.238 23063 N LEU D 614 -94.598 -6.833 39.041 1.00 21.20 23064 CA LEU D 614 -93.247 -7.387 49.152 1.00 21.30 23066 CG LEU D 614 -93.636 -9.428 47.666 1.00 21.93 23067 CD1 LEU D 614 -93.206 10.047 46.380 1.00 12.93 23068 CD LEU D 614 -93.206 10.047 46.380 1.00 12.57 23070 O LEU D 614 -91.75 -6.344 49.47 1.00 22.17 23071 N GLY 615 -91.726 -3.183 50.605 1.00 22.27 23074 O GLY 615 -91.726 -3.183 <td></td>										
23063 N. LEU D 614 -94.598 -6.833 49.041 1.00 21.20 23064 CA LEU D 614 -93.247 -7.387 49.152 1.00 21.20 23065 CB LEU D 614 -93.247 -7.387 49.152 1.00 21.20 23066 CB LEU D 614 -93.264 -8.140 47.900 1.00 20.29 23069 CD LEU D 614 -93.206 -10.047 46.380 1.00 21.55 23070 O LEU D 614 -93.277 -5.083 49.126 1.00 22.67 23071 N GLY D 615 -91.395 -4.061 49.410 1.00 22.73 23073 C GLY D 615 -91.395 -4.061 49.410 1.00 22.24 23074 O GLY D 615 -91.395 -4.061 49.410 1.00 22.73 23075										
23064 CA LEU 614 -93.247 -7.387 49.152 1.00 21.30 23065 CB LEU 0614 -93.654 -8.140 47.900 1.00 20.29 23066 CG LEU 0614 -93.636 -9.428 47.666 1.00 19.95 23068 CD2 LEU 0614 -93.206 -10.047 46.380 1.00 12.92 23070 O LEU D614 -91.159 -6.684 50.102 1.00 22.17 23071 N GLY D615 -92.377 -5.083 49.126 1.00 22.27 23071 N GLY D615 -91.395 -4.061 49.410 1.00 22.27 23073 C GLY D615 -91.726 -3.183 50.605 1.00 23.25 23074 O SER D616 -92.711 -3.629 51.376 1.00 23.60 23077 <										
23056 CB LEU 0 614 -92.854 -8.140 47.900 1.00 20.20 22.20 23066 CB LEU D 614 -93.436 -9.428 47.666 1.00 1.935 23067 CD1 LEU D 614 -93.462 -10.439 48.841 1.00 19.35 23069 C LEU D 614 -92.170 -6.344 49.497 1.00 22.67 23071 N GLY D 615 -92.377 -5.033 49.126 1.00 22.267 23073 C GLY D 615 -91.395 -4.061 49.401 1.00 22.24 23073 C GLY D 615 -91.395 -4.061 49.401 1.00 22.23 23074 O GLY D 615 -91.395 -4.061 49.401 1.00 22.33 23075 N SBR D										
23066 CB LBU 614 -93.636 -9.428 47.666 1.00 19.95 23067 CDI LBU 0 614 -93.206 -10.047 46.380 1.00 19.55 23068 CDZ LBU 0 614 -93.206 -10.047 46.380 1.00 15.59 23070 C LBU 0 614 -91.159 -6.684 50.102 1.00 22.17 23071 N GLY 0 615 -91.395 -4.061 49.410 1.00 22.27 23074 O GLY 0 615 -91.726 -3.183 50.605 1.00 23.25 23075 N SER 0 616 -91.726 -3.183 50.605 1.00 23.25 23075 N SER 0 616 -92.711 -3.629 51.376 1.00 23.60 23076 CA SER D 616 -94.509 -4.694 53.490 1.00 23.60 23078										
23067 CD1 LEU D 614 -93.462 -10.439 48.841 1.00 19.35 23068 CD2 LEU D 614 -93.206 -10.047 46.380 1.00 15.59 23069 C LEU D 614 -92.170 -6.344 49.497 1.00 22.167 23071 N GLY D 615 -92.377 -5.083 49.126 1.00 22.27 23073 C GLY D 615 -91.395 -4.061 49.410 1.00 22.40 23073 C GLY D 615 -91.395 -4.061 49.410 1.00 22.24 23075 N SER D 616 -91.081 -2.134 50.888 1.00 23.33 23076 CA SER D 616 -93.711 -3.629 51.376 1.00 23.60 23076 CA SER D 616										
23068 CD2 LEU D 614 -93.206 -10.047 46.380 1.00 15.59 23079 C LEU D 614 -91.159 -6.684 50.102 1.00 22.17 23071 N GLY D 615 -91.159 -6.684 50.102 1.00 22.27 23072 C GLY D 615 -91.395 -4.061 49.410 1.00 22.27 23074 O GLY D 615 -91.726 -3.183 50.685 1.00 23.25 23075 N SER D 616 -91.726 -3.183 50.605 1.00 23.25 23076 N SER D 616 -92.711 -3.629 51.376 1.00 23.60 23078 G SER D 616 -94.596 -3.413 52.874 1.00 23.78 23079 C SER D 616 <										
23069 C LEU D 614 -92.170 - 6.344 49.497 1.00 22.17 23071 N LEU D 614 -91.159 -6.684 50.102 1.00 22.67 23071 N GLY D 615 -92.377 -5.083 49.126 1.00 22.40 23072 CA GLY D 615 -91.395 -4.061 49.410 1.00 22.40 23073 C GLY D 615 -91.926 -3.183 50.605 1.00 23.25 23074 O GLY D 615 -91.081 -2.134 50.848 1.00 23.33 23075 N SER D 616 -92.711 -3.629 51.376 1.00 23.60 23077 CB SER D 616 -93.200 -2.904 52.534 1.00 23.70 23078 CG SER D 616 -94.596 -34.430 53.490 1.00 24.16 23080 C SER D 616 -94.596 -34.430 53.490 1.00 24.16 23081 N GLY D 617 -91.498 -4.049 53.870 1.00 24.16 23082 CA GLY D 617 -91.498 -4.049 53.870 1.00 24.13 23083 C GLY D 617 -91.497 -4.875 56.253 1.00 25.66 23084 CA SER D 618 -92.471 -2.208 55.090 1.00 26.49 23085 N SER D 618 -92.471 -2.08 55.990 1.00 26.49 23086 CA										
23070 O LBU D 614 -91.159 -6.684 50.102 1.00 22.67 23071 N GLY D 615 -92.377 -5.083 39.126 1.00 22.27 23072 CA GLY D 615 -91.395 -4.061 49.410 1.00 22.40 23073 C GLY D 615 -91.706 -31.83 50.605 1.00 23.25 23074 O GLY D 615 -91.708 -31.23 50.848 1.00 23.36 23076 N SER D 616 -92.711 -3.629 51.376 1.00 23.60 23078 CB SER D 616 -94.506 -3.413 52.874 1.00 23.88 23078 CG SER D 616 -94.509 -4.694 53.490 1.00 24.13 23079 C SER D 616 -92.343 -3.029 53.790 1.00 24.13 23081 N GLY D 617 -91.497 -4.875 55.080 1.00 24										
23071 N GLY D 615 -92.377 -5.083 49.126 1.00 22.27 23072 CA GLY D 615 -91.726 -3.183 50.605 1.00 22.37 23074 O GLY D 615 -91.726 -3.183 50.605 1.00 23.23 23075 N SBR D 616 -92.711 -3.629 51.376 1.00 23.30 23076 CA SBR D 616 -93.200 -2.949 52.534 1.00 23.70 23077 CB SBR D 616 -94.596 -3.413 52.874 1.00 23.70 23079 C SBR D 616 -94.599 -4.694 53.490 1.00 25.47 23081 N GLY D 617 -91.498 -4.049 53.890 1.00 24.16 23084 O GLY D 617 <										
23072 CA GLY D 615 -91.395 -4.061 49.410 1.00 22.240 23073 C GLY D 615 -91.726 -3.183 50.605 1.00 23.252 23074 O GLY D 615 -91.081 -2.134 50.848 1.00 23.33 23075 N SBR D 616 -93.200 -2.904 52.534 1.00 23.60 23077 CB SBR D 616 -94.596 -3.413 52.874 1.00 23.88 23078 O SBR D 616 -94.596 -3.431 52.874 1.00 23.88 23080 O SBR D 616 -92.343 -3.029 53.790 1.00 24.16 23081 N GLY D 617 -91.498 -4.049 53.880 1.00 24.16 23082 CA GLY D 617 -91.497 -4.875 55.283 1.00 24.51 23085		N								
23073 C GLY D 615 -91.726 -3.183 50.605 1.00 23.25 23074 O GLY D 615 -91.8081 -2.134 50.848 1.00 23.35 23075 N SBR D 616 -92.711 -3.629 51.376 1.00 23.60 23077 CB SBR D 616 -94.596 -3.413 52.874 1.00 23.70 23079 C SBR D 616 -94.343 -3.029 53.790 1.00 24.71 23080 O SBR D 616 -92.431 -2.208 54.698 1.00 25.47 23080 O SBR D 616 -92.431 -2.208 54.698 1.00 25.00 23081 N GLY D 617 -91.498 -4.049 53.870 1.00 24.13 23084 O GLY D 617 -91.497 -4.875 56.253 1.00 25.64 23085										
23074 O GLY D 615 -91.081 -2.134 50.848 1.00 23.33 23075 N SER D 616 -92.711 -3.629 51.376 1.00 23.60 23076 CA SER D 616 -93.200 -2.904 52.534 1.00 23.88 23078 OS SER D 616 -94.509 -4.694 53.490 1.00 25.474 23080 O SER D 616 -92.471 -2.208 54.698 1.00 25.416 23081 N GLY D 616 -92.471 -2.208 54.698 1.00 25.416 23081 N GLY D 617 -91.498 -4.049 53.870 1.00 24.13 23082 CA GLY D 617 -91.498 -4.049 53.870 1.00 24.51 23083 C GLY D 617										
23075 N SBR D 616 -92.711 -3.629 51.376 1.00 23.60 23076 CA SBR D 616 -94.590 -2.914 52.534 1.00 23.70 23078 CB SBR D 616 -94.596 -3.413 52.874 1.00 23.78 23079 C SBR D 616 -92.343 -3.029 53.790 1.00 24.16 23081 N GLY D 617 -91.498 -4.049 53.870 1.00 24.51 23082 CA GLY D 617 -91.498 -4.049 53.870 1.00 24.51 23083 C GLY D 617 -91.498 -4.049 55.080 1.00 24.51 23084 O GLY D 617 -91.042 -4.287 55.080 1.00 24.51 23085 N SER D 618 -92.654 -5.477 55.934										
23076 CA SBR D 616 -93.200 -2.904 52.534 1.00 23.70 23077 CB SBR D 616 -94.596 -3.413 52.874 1.00 23.88 23078 OS SBR D 616 -94.599 -4.694 53.490 1.00 25.48 23080 OS SBR D 616 -92.471 -2.208 54.698 1.00 25.04 23081 N GLY D 617 -91.498 -4.049 53.870 1.00 24.13 23082 CA GLY D 617 -91.497 -4.875 55.080 1.00 25.66 23084 C GLY D 617 -91.497 -4.875 55.080 1.00 25.66 23085 N SBR D 618 -92.654 -5.477 55.997 1.00 25.66 23087 CB SBR D 618 -93.486 -5.940 57.090 1.00 25.91 23089										
23077 CB SER D 616 -94.596 -3.413 52.874 1.00 23.88 23078 G SER D 616 -94.599 -4.694 53.490 1.00 24.71 23080 C SER D 616 -92.343 -3.029 53.790 1.00 24.16 23081 N GLY D 617 -91.498 -4.049 53.870 1.00 24.51 23082 CA GLY D 617 -91.498 -4.049 53.870 1.00 24.51 23083 C GLY D 617 -91.797 -4.875 56.253 1.00 25.64 23084 O GLY D 617 -91.042 -4.815 57.394 1.00 26.49 23085 N SER D 618 -92.654 -5.477 55.994 1.00 25.91 23087 CB SER D 618 -93.486 -5.940 57.090 1.00 25.11 23088	23076	CA	SER	D		-93.200		52.534	1.00	23.70
23078 OG SBR D 616 -94.509 -4.694 53.490 1.00 25.47 23079 C SBR D 616 -92.343 -3.029 53.790 1.00 24.16 23080 O SBR D 616 -92.471 -2.208 54.698 1.00 25.00 23081 N GLY D 617 -91.498 -8.3870 1.00 24.13 23082 CA GLY D 617 -91.497 -4.875 55.203 1.00 25.66 23084 O GLY D 617 -91.497 -4.875 56.253 1.00 25.66 23085 N SBR D 618 -92.654 -5.477 55.997 1.00 25.95 23087 CB SBR D 618 -93.486 -5.940 57.090 1.00 25.95 23089 CG SBR D 618 -94.913 -6.191 56.618 1.00 25.95 23089 C SBR D 618 -94.958 -7.356 55.822 1.00 25.12	23077		SER	D	616	-94.596	-3.413	52.874	1.00	23.88
23079 C SBR D 616 -92.343 -3.029 53.790 1.00 24.16 23080 O SBR D 616 -92.471 -2.208 54.698 1.00 25.00 23081 N GLY D 617 -91.498 -4.049 53.870 1.00 24.13 23082 C GLY D 617 -91.497 -4.875 56.253 1.00 25.64 23084 O GLY D 617 -91.042 -4.815 57.394 1.00 26.49 23085 N SER D 618 -92.564 -5.477 55.997 75.00 1.00 26.12 23087 CB SER D 618 -93.486 -5.940 57.000 1.00 26.12 23089 C SER D 618 -94.958 -7.356 55.822 1.00 25.11 23089 C SER D 618 -94.958 <td></td>										
23080 O SER D 616 -92.471 -2.208 54.698 1.00 25.00 23081 N GLY D 617 -91.498 -4.049 53.870 1.00 24.13 23082 CA GLY D 617 -90.726 -4.287 55.080 1.00 24.51 23084 O GLY D 617 -91.047 -4.875 56.253 1.00 26.56 23085 N SER D 618 -91.042 -4.815 57.394 1.00 26.95 23086 CA SER D 618 -92.654 -5.477 55.997 1.00 25.95 23087 CB SER D 618 -93.486 -5.940 57.090 1.00 25.79 23089 C SER D 618 -94.913 -6.191 56.618 1.00 25.79 23089 C SER D 618 -94.958 -7.356 55.822 1.00 25.11 23090 D SER D 618 -94.954 -7.214 57.721 1.00 27.72 23091 N GLY D 619 -92.197 -7.901 56.950 1.00 27.72 23091 N GLY D 619 -91.651 -92.26 57.467 1.0	23079	С	SER	D	616	-92.343	-3.029	53.790	1.00	24.16
23081 N. GLY D 617 -91.498 -4.049 53.870 1.00 24.13 23082 CA GLY D 617 -91.276 -4.2875 55.080 1.00 24.51 23083 C GLY D 617 -91.497 -4.875 56.253 1.00 25.66 23084 O GLY D 617 -91.497 -4.815 57.394 1.00 25.66 23085 N SER D 618 -92.654 -5.477 55.997 1.00 25.95 23087 CB SER D 618 -93.486 -5.940 57.090 1.00 25.12 23089 C SER D 618 -94.958 -7.356 55.822 1.00 25.11 23099 C SER D 618 -92.940 -7.214 57.721 1.00 27.72 23091 N GLY D 619 -93.216 -7.500 58.885 1.00 27.72 23092 C AGLY D 619 -91.651 -9.226 57.467 1.00 27.16	23080		SER	D	616	-92.471	-2.208	54.698	1.00	25.00
23083 C GLY D 617 -91.497 -4.875 56.253 1.00 25.66 23084 O GLY D 617 -91.042 -4.815 57.394 1.00 26.49 23085 N SBR D 618 -92.654 -5.477 55.997 1.00 25.95 23086 Ca SBR D 618 -93.486 -5.940 57.090 1.00 26.12 23089 C SBR D 618 -94.913 -6.191 56.618 1.00 25.79 23089 C SBR D 618 -94.958 -7.356 55.822 1.00 25.11 23090 O SBR D 618 -93.216 -7.500 58.885 1.00 27.72 23091 N GLY D 619 -91.651 -92.216 57.467 1.00 27.16 23092 C A GLY D		N				-91.498				
23083 C GLY D 617 -91.497 -4.875 56.253 1.00 25.66 23084 O GLY D 617 -91.042 -4.815 57.394 1.00 26.49 23085 N SBR D 618 -92.654 -5.477 55.997 1.00 25.49 23087 CB SBR D 618 -93.486 -5.940 57.090 1.00 26.12 23089 CB SBR D 618 -94.913 -6.191 56.618 1.00 25.79 23089 C SBR D 618 -94.958 -7.356 55.822 1.00 25.11 23090 O SBR D 618 -93.216 -7.500 58.885 1.00 27.72 23091 N GLY D 619 -92.197 -7.991 56.950 1.00 26.87 23092 CA GLY D 619 <	23082	CA	GLY	D	617	-90.726	-4.287	55.080	1.00	24.51
23084 O GLY 617 -91.042 -4.815 57.394 1.00 26.49 23085 N SRR D 618 -92.654 -5.477 55.997 1.00 25.95 23086 CA SRR D 618 -93.486 -5.940 57.090 1.00 25.79 23088 CB SRR D 618 -94.913 -6.191 56.618 1.00 25.79 23099 C SRR D 618 -92.940 -7.214 57.721 1.00 27.16 23090 O SRR D 618 -93.16 -7.991 56.950 1.00 26.87 23092 C A GLY D 619 -91.615 -9.26 57.467 1.00 26.87 23092 C A GLY D 619 -91.655 -9.26 57.467 1.00 27.32	23083	С	GLY			-91.497	-4.875			
23086 CA SBR D 618 -93.486 -5.940 57.090 1.00 26.12 23087 CB SBR D 618 -94.913 -6.191 56.618 1.00 25.79 23088 OG SBR D 618 -94.958 -7.356 55.822 1.00 25.11 23099 C SBR D 618 -93.216 -7.214 57.271 1.00 27.16 23090 O SBR D 618 -93.216 -7.500 58.885 1.00 27.16 23092 CA GLY D 619 -91.651 -9.22 57.467 1.00 26.87 23092 CA GLY D 619 -91.651 -9.22 57.467 1.00 27.32	23084			D			-4.815		1.00	
23086 CA SBR D 618 -93.486 -5.940 57.090 1.00 26.12 23087 CB SBR D 618 -94.913 -6.191 56.618 1.00 25.79 23088 OG SBR D 618 -94.958 -7.356 55.822 1.00 25.11 23099 C SBR D 618 -93.216 -7.214 57.271 1.00 27.16 23090 O SBR D 618 -93.216 -7.500 58.885 1.00 27.16 23092 CA GLY D 619 -91.651 -9.22 57.467 1.00 26.87 23092 CA GLY D 619 -91.651 -9.22 57.467 1.00 27.32										
23087 CB SRR D 618 -94.913 -6.191 56.618 1.00 25.79 23088 OG SRR D 618 -94.958 -7.356 55.822 1.00 25.11 23099 O SRR D 618 -92.940 -7.214 57.721 1.00 27.12 23091 N GLY D 619 -93.216 -7.500 58.895 1.00 27.72 23091 N GLY D 619 -91.651 -9.226 57.467 1.00 27.32		CA				-93.486		57.090		
23088 G SRR D 618 -94.958 -7.356 55.822 1.00 25.11 23089 C SRR D 618 -92.940 -7.214 57.721 1.00 27.16 23090 O SRR D 618 -93.216 -7.500 58.885 1.00 27.72 23091 N GLY D 619 -92.197 -7.991 56.950 1.00 26.87 23092 CA GLY D 619 -91.651 -9.226 57.467 1.00 27.32			SER						1.00	
23089 C SER D 618 -92.940 -7.214 57.721 1.00 27.16 23090 O SER D 618 -93.216 -7.500 58.885 1.00 27.72 23091 N GLY D 619 -92.197 -7.991 56.950 1.00 26.87 23092 CA GLY D 619 -91.651 -9.226 57.467 1.00 27.32										
23090 O SER D 618 -93.216 -7.500 58.885 1.00 27.72 23091 N GLY D 619 -92.197 -7.991 56.950 1.00 26.87 23092 CA GLY D 619 -91.651 -9.226 57.467 1.00 27.32		С	SER	D		-92.940		57.721		
23091 N GLY D 619 -92.197 -7.991 56.950 1.00 26.87 23092 CA GLY D 619 -91.651 -9.226 57.467 1.00 27.32										
23092 CA GLY D 619 -91.651 -9.226 57.467 1.00 27.32										
	23092	CA	GLY	D	619		-9.226	57.467	1.00	27.32
	23093	C	${\tt GLY}$	D	619	-92.606	-10.409	57.474	1.00	27.28

FIGURE 3 QK

A	В	С	D	Е		F	G	H	I	J
23094	0	GLY	D	619	-92.	235	-11.504	57.864	1.00	27.63
23095	N	VAL		620			-10.215	56.990		26.98
23096	CA	VAL	D	620	-94.	823	-11.272	57.054	1.00	26.82
23097	CB	VAL	D	620	-96.	215	-10.663	57.128	1.00	27.10
23098	CG1	VAL		620			-11.735	57.065		27.01
23099	CG2	VAL		620	-96.		-9.803	58.398		25.69
23100	C	VAL		620	-94.		-12.234	55.886		26.89
23101	ō	VAL		620	-95.		-13.412	56.022		27.36
23102	N	PHE	D	621	-94.	293	-11.741	54.743	1.00	26.24
23103	CA	PHE	D	621	-94.	230	-12.554	53.554	1.00	25.32
23104	CB	PHE		621	-94.		-11.806	52.380		25.19
23105	CG	PHE	D	621	-96.	339	-11.424	52.653	1.00	23.16
23106	CD1	PHE	D	621	-96.	642	-10.280	53.349	1.00	20.70
23107	CE1	PHE	D	621	-97.	964	-9.940	53.621	1.00	19.37
23108	CZ	PHE	D	621	-98.	987	-10.744	53.191	1.00	20.10
23109	CE2	PHE	D	621	-98.	703	-11.898	52.500	1.00	19.43
23110	CD2	PHE	D	621	-97.	385	-12.233	52.228	1.00	21.78
23111	С	PHE	D	621	-92.	809	-12.976	53.230	1.00	25.90
23112	0	PHE	D	621	-91.	863	-12.192	53.302	1.00	26.42
23113	N	LYS	D	622	-92.	658	-14.231	52.874	1.00	26.12
23114	CA	LYS	D	622	-91.	356	-14.759	52.530	1.00	27.08
23115	CB	LYS	D	622	-91.	336	-16.265	52.812	1.00	26.96
23116	CG	LYS	D	622	-89.	995	-16.936	52.586	1.00	28.63
23117	CD	LYS	D	622	-90.	086	-18.436	52.926	1.00	30.58
23118	CE	LYS	D	622	-88.	716	-19.103	52.885	1.00	33.11
23119	NZ	LYS	D	622	-88.		-19.197	51.521	1.00	34.13
23120	С	LYS	D	622			-14.517	51.048	1.00	26.97
23121	0	LYS	D	622	-89.	949	-14.222	50.655	1.00	26.68
23122	N	CYS		623	-92.		-14.624	50.228	1.00	27.32
23123	CA	CYS	D	623	-91.		-14.514	48.789		27.63
23124	CB	CYS	D	623			-15.855	48.239	1.00	28.04
23125	SG			623	-92.		-17.133	48.612		32.49
23126	С	CYS	D	623	-93.		-14.143	48.116		26.28
23127	0	CYS	D	623	-94.		-14.113	48.749		26.71
23128	N	GLY		624	-93.		-13.870	46.823		24.98
23129	CA	GLY		624	-94.		-13.530	46.069		23.48
23130	C	GLY	D	624	-94.		-13.437	44.577		23.30
23131	0	GLY	D	624	-92.		-13.432	44.120		22.53
23132	N	ILE		625	-95.		-13.372	43.822		22.21
23133	CA	ILE		625	-95.		-13.374	42.385		21.40
23134	CB	ILE	D	625	-95.		-14.692	41.842		21.55
23135	CG1	ILE		625	-95.		-15.905	42.472		21.25
23136	CD1	ILE	D	625	-95.		-17.199	41.976		22.46
23137	CG2	ILE	D	625	-95.		-14.742	40.327		20.26
23138	C	ILE		625	-96.		-12.264	41.865		21.62
23139	0	ILE		625	-97.		-12.201	42.211		20.79
23140	N	ALA		626	-95.		-11.399	41.024		21.33
23141	CA	ALA		626	-96.		-10.317	40.453		21.56
23142	CB	ALA		626	-95.		-8.956	40.754		21.64
23143	C			626	-96.		-10.525	38.960		21.03
23144	0	ALA	D	626	-95.	311	-10.566	38.290	1.00	21.70

FIGURE 3 QL

A	В	С	D	Е	F	G	Н	I	J
23145	N	VAL	D	627	-97.534	-10.641	38.434	1.00	20.44
23146	CA	VAL	D	627	-97.698	-10.876	37.010	1.00	19.92
23147	CB	VAL	D	627	-98.638	-12.074	36.779	1.00	19.63
23148	CG1	VAL	D	627	-98.779	-12.364	35.328	1.00	19.32
23149	CG2	VAL	D	627	-98.121	-13.277	37.526	1.00	19.10
23150	C	VAL	D	627	-98.270	-9.636	36.336	1.00	19.71
23151	0	VAL	D	627	-99.321	-9.147	36.741	1.00	20.98
23152	N	ALA	D	628	-97.564	-9.119	35.334	1.00	19.16
23153	CA	ALA	D	628	-97.994	-7.944	34.606	1.00	19.09
23154	CB	ALA	D	628	-99.125	-8.313	33.667	1.00	19.00
23155	C	ALA	D	628	-98.443	-6.846	35.563	1.00	19.80
23156	0	ALA	D	628	-99.564	-6.318	35.442	1.00	20.29
23157	N	PRO	D	629	-97.596	-6.499	36.524	1.00	19.51
23158	CA	PRO		629	-97.984	-5.513	37.533	1.00	19.62
23159	CB	PRO		629	-96.889	-5.669	38.584	1.00	19.78
23160	CG	PRO		629	-95.679	-5.993	37.730	1.00	20.27
23161	CD	PRO		629	-96.236	-7.022	36.749	1.00	19.35
23162	C	PRO		629	-97.927	-4.088	37.040	1.00	20.11
23163	0	PRO		629	-97.120	-3.718	36.174	1.00	20.33
23164	N	VAL		630	-98.806	-3.274	37.594	1.00	20.35
23165	CA	VAL		630	-98.654	-1.844	37.453	1.00	
23166	CB	VAL		630	-99.956	-1.119	37.858	1.00	
23167	CG1	VAL		630	-99.658	0.296	38.468	1.00	19.91
23168	CG2	VAL		630	-100.903	-1.027	36.674	1.00	19.46
23169	C	VAL		630	-97.512	-1.548	38.458	1.00	20.76
23170	0	VAL		630	-97.420	-2.207	39.502	1.00	19.76
23171	N	SER		631	-96.628	-0.601	38.138	1.00	20.86
23172	CA	SER		631	-95.524	-0.284	39.027 38.404		21.41
23173 23174	CB OG	SER		631 631	-94.183 -93.908	-0.668 0.098		1.00	
23174	C	SER		631	-95.514	1.186	37.254 39.452		22.64
23176	0	SER		631	-95.023	1.506	40.528		20.61
23177	N	ARG		632	-96.002	2.066	38.579		21.04
23178	CA	ARG	D	632	-96.184	3.465	38.917	1.00	22.20
23179	CB	ARG		632	-94.932	4.341	38.755	1.00	
23180	CG	ARG		632	-94.545	4.709	37.399	1.00	
23181	CD		D	632	-94.066	6.140	37.276	1.00	30.32
23182	NE	ARG		632	-93.188	6.556	38.351	1.00	32.43
23183	CZ	ARG	D	632	-92.553	7.733	38.389	1.00	35.70
23184	NH1	ARG		632	-91.777	8.011	39.428	1.00	34.00
23185	NH2	ARG		632	-92.684	8.632	37.395	1.00	34.81
23186	С	ARG		632	-97.372	3.964	38.133	1.00	21.99
23187	ō	ARG		632	-97.580	3.572	36.982	1.00	
23188	N	TRP	D	633	-98.195	4.759	38.808		21.72
23189	CA	TRP	D	633	-99.493	5.143	38.269	1.00	22.29
23190	CB	TRP		633	-100.405	5.680	39.393		22.18
23191	CG	TRP	D	633	-100.858	4.501	40.246	1.00	22.76
23192	CD1	TRP	D	633	-100.506	4.231	41.540	1.00	20.58
23193	NE1	TRP	D	633	-101.080	3.053	41.947	1.00	20.97
23194	CE2	TRP		633	-101.825	2.535	40.916		21.34
23195	CD2	TRP	D	633	-101.691	3.410	39.822	1.00	20.22

FIGURE 3 QM

23196 CE3 TRP D 633
23199 CB2 TRP D 633
23199 CZ2 TREP D 633
23200 C TRP D 633
23201 O TRP D 633 -100.365 5.963 36.230 1.00 23.36 23202 N GLU D 634 -98.252 7.551 35.634 1.00 23.31 23203 CA GLU D 634 -98.252 7.551 35.634 1.00 24.74 23205 CG GLU D 634 -97.298 9.664 36.714 1.00 24.74 23206 CD GLU D 634 -96.482 9.460 37.972 1.00 31.66 23207 CEI GLU D 634 -96.612 10.335 38.201 1.00 23.16 23209 CE GLU D 634 -98.114 6.703 34.991 1.00 23.08 23210 O GLU D 634 -98.114 6.703 33.031 1.00 23.69 23211 N TYR D 635 -97.615 4.548 33.372 1.00 22.82 23212 CA
23202 N GLU D 634 —98.373 6.737 36.832 1.00 23.31 23203 C GLU D 634 —98.273 6.737 36.832 1.00 23.31 23204 C GLU D 634 —97.298 9.664 36.714 1.00 24.74 23205 C GLU D 634 —96.482 9.460 37.972 1.00 31.66 23207 OEL GLU D 634 —96.612 10.335 38.201 1.00 32.18 23209 OE GLU D 634 —96.612 10.335 38.201 1.00 32.18 23210 O GLU D 634 —98.114 6.703 34.391 1.00 23.69 23211 N TYR D 635 —97.718 5.434 34.537 1.00 22.25 23212 C TYR D 635 —96
23203 CA GLU D 634 —98.252 7.551 35.634 1.00 24.08 23204 CB GLU D 634 —97.298 9.664 35.714 1.00 24.08 23205 CG GLU D 634 —97.298 9.664 36.714 1.00 26.01 23207 GEL GLU D 634 —96.482 9.9460 38.201 1.00 31.66 23208 CE GLU D 634 —96.691 8.419 38.703 1.00 30.86 23210 O GLU D 634 —98.362 7.200 33.303 1.00 23.35 23211 N TYR D 635 —97.615 4.548 33.372 1.00 22.82 23212 CA TYR D 635 —97.615 4.548 33.372 1.00 22.82 23214 CG TYR D 635 —95.283 3.663 33.966 1.00 24.14 23215 CEI TYR D 635
23204 CB GLU D 634 -97.082 8.534 35.714 1.00 24.74 23205 CG GLU D 634 -96.482 9.460 36.714 1.00 26.01 23206 CD GLU D 634 -96.482 9.460 37.792 1.00 31.66 23207 OEI GLU D 634 -96.691 8.419 38.703 1.00 32.18 23208 OEZ GLU D 634 -98.114 6.703 34.391 1.00 23.69 23210 O GLU D 634 -98.114 6.703 34.391 1.00 23.69 23211 N TYR D 635 -97.718 5.434 34.537 1.00 23.21 23212 CA TYR D 635 -97.718 5.434 33.372 1.00 22.32 23213 CB TYR D 635 -96.723 3.345 33.640 1.00 22.54 23215 CDI TYR D 635 -96.723 3.345 33.640 1.00 22.54 23216 CEI TYR D 635 -94.726 4.898 33.641 1.00 24.31 23217 CZ TYR D 635 -94.726 4.898 33.641 1.00 24.31 23218 OH TYR D 635 -94.726 4.898 33.691 1.00 24.31 23219 CEZ TYR D 635 -93.173 3.005 34.923 1.00 24.02 23219 CEZ TYR D 635 -93.173 3.005 34.923 1.00 24.61 23220 CDZ TYR D 635 -94.480 2.723 34.611 1.00 24.31 23221 C TYR D 635 -94.898 32.641 1.00 24.31 23222 C TYR D 635 -99.123 3.441 31.878 1.00 24.62 23222 C TYR D 635 -99.123 3.441 31.878 1.00 24.62 23222 C TYR D 636 -99.123 3.441 31.878 1.00 24.63 23222 C TYR D 636 -99.97 4.025 33.876 1.00 22.38 23223 C TYR D 636 -101.162 3.352 33.566 1.00 22.13 23223 C TYR D 636 -101.788 1.640 34.226 1.00 22.38 23223 C TYR D 636 -101.788 1.640 34.226 1.00 1.00 1.84 23223 C TYR D 636 -101.788 1.640 34.226 1.00 1.00 1.84 23223 C TYR D 636 -100.788 1.640 34.226 1.00 1.00 1.84 23223 C TYR D 636 -100.788 1.640 34.227 1.00 21.80 23223 C TYR D 636 -105.330 -731 34.673 1.00 1.8.74 23233 C TYR D 636 -105.337 -1.174 32.967 1.00 2.4.21 23233 C TYR D 636 -105.337 -1.174 32.967 1.00 24.82 23233 C TYR D 636 -105.330 -731 34.673 1.00 24.61 23233 C TYR D 636 -105.330 35.781 34.673 1.00 24.62 23233 C TYR D 636 -105.030 0.781 34.259 1.00 24.82 23233 C TYR D 636 -105.030 0.781 34.259 1.00 24.82 23233 C TYR D 636 -100.133 5.961 32.778 1.00 22.88
23206 CG GLU D 634
23206 CD GLU D 634 -96.482 9.460 37.972 1.00 31.66
23207 OE1 GLU D 634 -95.612 10.335 38.201 1.00 32.18
23208 OEZ GLU D 634 -96.691 8.419 38.703 1.00 30.86 23210 O GLU D 634 -98.362 7.200 33.303 1.00 23.62 23211 N TYR D 635 -97.718 5.434 34.371 1.00 23.69 23212 CA TYR D 635 -97.718 5.434 33.372 1.00 22.21 23213 CB TYR D 635 -96.723 3.345 33.372 1.00 22.54 23215 CD TYR D 635 -94.726 4.988 33.541 1.00 23.13 23216 CEI TYR D 635 -94.726 4.988 33.541 1.00 24.31 23216 CEI TYR D 635 -94.740 4.221 34.853 1.00 24.91 23219 CEZ TYR D 635 <
23210 0 G GLU D 634 -98.114 6.703 34.391 1.00 23.69 23211 N TYR D 635 -97.718 5.434 34.537 1.00 23.21 23212 CA TYR D 635 -97.718 5.434 34.537 1.00 23.21 23213 CB TYR D 635 -96.723 3.345 33.672 1.00 22.82 23214 CG TYR D 635 -95.283 3.663 33.966 1.00 22.41 23215 CD TYR D 635 -95.283 3.663 33.966 1.00 22.41 23216 CEI TYR D 635 -94.726 4.889 33.641 1.00 23.12 23217 CZ TYR D 635 -93.418 5.183 33.938 1.00 23.12 23217 CZ TYR D 635 -93.418 5.183 33.938 1.00 23.12 23219 CEZ TYR D 635 -93.418 5.183 33.938 1.00 23.12 23220 CDZ TYR D 635 -94.480 2.723 34.661 1.00 24.61 23220 CDZ TYR D 635 -98.959 3.005 34.922 1.00 24.61 23222 CD TYR D 635 -98.959 3.976 32.978 1.00 22.64 23222 CD TYR D 635 -99.927 4.025 33.876 1.00 22.12 23223 N TYR D 636 -99.927 4.025 33.876 1.00 22.18 23224 CA TYR D 636 -101.788 2.660 34.727 1.00 21.80 23225 CB TYR D 636 -102.788 1.640 34.286 1.00 18.32 23222 CD TYR D 636 -102.788 1.640 34.286 1.00 18.32 23223 CD TYR D 636 -102.417 0.625 33.436 1.00 18.32 23223 CD TYR D 636 -102.417 0.625 33.436 1.00 18.32 23223 CD TYR D 636 -104.628 -0.238 33.410 1.00 18.32 23223 CD TYR D 636 -105.537 -1.174 32.967 1.00 24.19 23230 CD TYR D 636 -105.537 -1.174 32.957 1.00 20.41 23233 C TYR D 636 -105.030 0.781 34.259 1.00 20.88 23233 C TYR D 636 -105.030 0.781 34.259 1.00 20.82 23233 C TYR D 636 -105.030 0.781 34.259 1.00 20.82 23233 C TYR D 636 -104.113 1.723 34.673 1.00 18.74 23233 C TYR D 636 -104.113 1.723 34.673 1.00 2.84 23233 C TYR D 636 -102.146 4.258 32.778 1.00 22.84
23210 O GLUD 634 -98.362 7.200 33.303 1.00 23.35 23211 N TYR D 635 -97.615 4.548 33.372 1.00 23.21 23212 CA TYR D 635 -97.615 4.548 33.372 1.00 22.82 23213 CB TYR D 635 -96.723 3.365 33.364 1.00 24.82 23213 CB TYR D 635 -96.723 3.365 33.966 1.00 24.18 23215 CD1 TYR D 635 -94.726 4.898 33.641 1.00 24.18 23216 CE1 TYR D 635 -94.726 4.898 33.641 1.00 23.13 23217 CZ TYR D 635 -93.148 5.183 33.998 1.00 24.31 23218 OH TYR D 635 -92.646 4.231 34.583 1.00 24.31 23219 CE2 TYR D 635 -91.374 4.502 34.892 1.00 24.91 23219 CE2 TYR D 635 -93.173 3.005 34.923 1.00 24.61 23220 CD2 TYR D 635 -99.123 34.611 1.00 24.33 23221 C TYR D 635 -99.123 34.611 1.00 24.33 23222 C TYR D 635 -99.123 3.441 31.878 1.00 24.61 23222 C TYR D 636 -99.123 3.441 31.878 1.00 22.13 23223 N TYR D 636 -99.123 3.441 31.878 1.00 22.23 23224 CA TYR D 636 -99.123 3.441 31.878 1.00 22.23 23225 CB TYR D 636 -101.162 3.352 33.876 1.00 22.23 23226 CG TYR D 636 -101.162 3.352 33.866 1.00 22.23 23227 CD TYR D 636 -101.788 2.660 34.727 1.00 21.80 23228 CE1 TYR D 636 -102.788 1.640 34.286 1.00 18.32 23229 CZ TYR D 636 -102.788 1.640 34.286 1.00 18.32 23229 CZ TYR D 636 -102.788 1.640 34.286 1.00 18.32 23229 CZ TYR D 636 -102.788 1.640 34.256 1.00 22.38 23221 CE TYR D 636 -105.537 -1.174 32.967 1.00 24.19 23233 CT TYR D 636 -105.537 -1.174 32.967 1.00 24.19 23233 CT TYR D 636 -105.030 0.781 34.673 1.00 24.72 23233 CT TYR D 636 -102.484 4.258 33.413 1.00 20.72 23233 CT TYR D 636 -106.033 5.461 32.708 1.00 24.82 23233 CT TYR D 636 -106.033 5.461 32.708 1.00 24.82 23233 CT TYR D 636 -106.030 3.781 34.673 1.00 22.84 23233 CT TYR D 636 -102.146 4.258 32.778 1.00 22.84
23211 N TYR D 635 -97.718 5.434 34.537 1.00 23.21 23212 C TYR D 635 -96.723 3.345 33.640 1.00 22.82 23213 CB TYR D 635 -96.723 3.345 33.640 1.00 22.54 23214 CG TYR D 635 -94.726 4.889 33.641 1.00 23.12 23216 CEL TYR D 635 -93.418 5.183 33.938 1.00 23.12 23217 CZ TYR D 635 -93.418 5.183 33.938 1.00 23.12 23219 CEZ TYR D 635 -91.347 4.502 34.892 1.00 23.90 23219 CEZ TYR D 635 -91.347 4.502 34.611 1.00 24.33 23222 CEZ TYR D 635 <
23212 CA
23213 CB TYR D 635 -96.723 3.345 33.640 1.00 22.54 23214 CG TYR D 635 -95.283 3.663 33.966 1.00 24.14 23215 CDI TYR D 635 -93.418 5.183 33.948 1.00 23.13 23216 CE TYR D 635 -93.418 5.183 33.988 1.00 23.12 23219 CEZ TYR D 635 -93.418 5.183 33.988 1.00 24.31 23219 CEZ TYR D 635 -93.417 34.583 1.00 24.31 23220 CDZ TYR D 635 -93.137 3.005 34.922 1.00 24.33 23222 C TYR D 635 -99.123 3.441 31.878 1.00 22.43 23222 C TYR D 636 -101.162
23216 CEI TYR D 635 -95.283 3.663 33.966 1.00 24.14 23215 CDI TYR D 635 -94.26 4.889 33.641 1.00 23.13 23216 CEI TYR D 635 -93.418 5.183 33.938 1.00 23.12 23217 CZ TYR D 635 -91.347 4.502 34.892 1.00 23.12 23218 OH TYR D 635 -91.347 4.502 34.892 1.00 24.31 23220 CDZ TYR D 635 -94.480 2.723 34.611 1.00 24.33 23221 C TYR D 635 -94.480 2.723 34.611 1.00 24.33 23222 C TYR D 635 -98.959 3.976 32.978 1.00 22.64 23222 C TYR D 635 -99.957 3.976 32.978 1.00 22.64 23222 C TYR D 635 -99.99.77 4.025 33.876 1.00 22.13 23223 N TYR D 636 -99.927 4.025 33.876 1.00 22.13 23225 CB TYR D 636 -101.162 3.352 33.526 1.00 22.22 23224 CA TYR D 636 -101.162 3.352 33.266 1.00 12.23 23225 CB TYR D 636 -101.788 1.640 34.727 1.00 21.80 23226 CG TYR D 636 -102.788 1.640 34.286 1.00 18.32 23228 CEI TYR D 636 -102.788 1.640 34.286 1.00 18.32 23229 CZ TYR D 636 -104.286 -0.335 33.436 1.00 20.41 23230 OH TYR D 636 -105.537 -1.174 32.967 1.00 24.19 23231 CEZ TYR D 636 -105.537 -1.174 32.967 1.00 24.19 23233 CTYR D 636 -104.113 1.723 34.673 1.00 20.284 23233 CTYR D 636 -104.113 1.723 34.673 1.00 22.84 23233 CTYR D 636 -101.193 5.461 32.700 1.00 23.58 23234 O TYR D 636 -101.193 5.461 32.700 1.00 23.58 23234 O TYR D 636 -101.193 5.461 32.700 1.00 23.58 23234 O TYR D 636 -101.193 5.461 32.700 1.00 23.58 23234 O TYR D 636 -101.193 5.461 32.700 1.00 23.58 23234 O TYR D 636 -101.193 5.461 32.700 1.00 23.58 23234 O TYR D 636 -101.193 5.461 32.700 1.00 23.58 23234 O TYR D 636 -101.193 5.461 32.700 1.00 23.58 23234 O TYR D 636 -101.193 5.461 32.700 1.00 23.58 23234 O TYR D 636 -101.193 5.461 32.700 1.00 23.58 23234 O TYR D 63
23215 CDI TYR D 635 -94.726 4.898 33.641 1.00 23.13 23216 CEI TYR D 635 -93.418 5.183 33.938 1.00 24.12 23217 CZ TYR D 635 -92.646 4.231 34.883 1.00 24.31 23218 CEZ TYR D 635 -93.173 3.005 34.923 1.00 24.61 23220 CDZ TYR D 635 -94.480 2.723 34.611 1.00 24.63 23221 CZ TYR D 635 -98.959 3.976 32.978 1.00 22.63 23222 C TYR D 635 -99.123 3.441 31.878 1.00 22.63 23222 C TYR D 636 -99.123 3.441 31.878 1.00 22.13 23223 CZ TYR D 636 -99.974 4.025 33.876 1.00 22.13 23224 CA TYR D 636 -101.162 3.352 33.526 1.00 22.23 23225 CZ TYR D 636 -101.162 3.352 33.526 1.00 22.23 23226 CZ TYR D 636 -102.788 1.640 34.727 1.00 21.80 23227 CDI TYR D 636 -104.628 -0.383 33.413 1.00 20.41 23232 CZ TYR D 636 -105.330 -104.823 33.413 1.00 20.72 23233 CZ TYR D 636 -105.330 -107.43 34.575 1.00 24.12 23233 CZ TYR D 636 -105.330 -107.33 34.673 1.00 24.12 23233 CZ TYR D 636 -105.030 -107.33 34.673 1.00 24.12 23233 CZ TYR D 636 -104.628 -105.330 -107.33 -107.43 34.673 1.00 24.12 23233 CZ TYR D 636 -104.131 1.723 34.673 1.00 24.12 23233 CZ TYR D 636 -104.131 1.723 34.673 1.00 22.84 23233 CZ TYR D 636 -102.146 4.258 32.778 1.00 22.84 23233 CZ TYR D 636 -102.146 4.258 32.778 1.00 22.84 23233 CZ TYR D 636 -102.146 4.258 32.778 1.00 22.84 23233 CZ TYR D 636 -103.335 -103.35 -103.00 20.12 23233 CZ TYR D 636 -103.335 -103.00 20.12 23234 CZ TYR D 636 -103.335 -103.00 20.12 23234 CZ TYR D 636 -103.335 -103.00 20.12 232334 CZ TYR D 636 -103.00 20.12 232334 CZ TYR D 636 -103.33
23216 CEI TYR D 635 -93.418 5.183 33.938 1.00 23.12
23218 CH TYR D 635 -94.646 4.231 34.583 1.00 24.31 23218 CH TYR D 635 -91.437 4.502 34.892 1.00 23.90 23219 CE2 TYR D 635 -94.480 2.723 34.611 1.00 24.61 23220 CD2 TYR D 635 -98.959 3.976 32.978 1.00 24.61 23222 C TYR D 635 -98.959 3.976 32.978 1.00 22.63 23222 C TYR D 636 -99.123 3.441 31.878 1.00 22.13 23223 C TYR D 636 -99.123 3.441 31.878 1.00 22.23 23224 CA TYR D 636 -101.162 3.352 33.562 1.00 22.23 23225 CB TYR D 636 -101.162 3.352 33.526 1.00 22.23 23226 CG TYR D 636 -101.788 2.660 34.727 1.00 21.80 23226 CG TYR D 636 -102.788 1.640 34.286 1.00 18.92 23228 CE1 TYR D 636 -103.335 -0.316 32.998 1.00 20.41 23232 CZ TYR D 636 -105.537 -1.174 32.967 1.00 24.19 23231 CE2 TYR D 636 -105.030 0.761 34.259 1.00 24.12 23233 C TYR D 636 -104.113 1.723 34.673 1.00 18.72 23233 C TYR D 636 -102.146 4.258 32.778 1.00 22.84 23233 C TYR D 636 -101.413 1.723 32.708 1.00 23.58 232334 C TYR D 636 -101.413 1.723 32.708 1.00 23.58 23234 C TYR D 636 -102.146 4.258 32.778 1.00 22.84 232334 C TYR D 636 -101.413 1.723 32.708 1.00 23.58 23234 C TYR D 636 -102.146 4.258 32.778 1.00 22.84 23234 C TYR D 636 -102.146 4.258 32.778 1.00 23.58 23234 C TYR D 636 -102.146 4.258 32.778 1.00 23.58 23234 C TYR D 636 -102.146 4.258 32.708 1.00 23.58 23234 C TYR D 636 -102.146 4.258 32.708 1.00 23.58 23234 C TYR D 636 -102.146 4.258 32.708 1.00 23.58 23234 C TYR D 636 -102.146 4.258 32.708 1.00 23.58 23234 C TYR D 636 -102.146 4.258 32.708 1.00 23.58 23234 C TYR D 636 -102.146 4.258
23218 OH TYR D 635 -91.347 4.502 34.892 1.00 23.90 23219 CE2 TYR D 635 -94.480 2.723 34.611 1.00 24.33 23221 C TYR D 635 -99.480 2.723 34.611 1.00 24.33 23222 C TYR D 635 -99.123 3.976 32.978 1.00 22.64 23222 N TYR D 635 -99.123 3.441 31.876 1.00 22.22 23224 C TYR D 636 -99.927 4.025 33.876 1.00 22.22 23224 C TYR D 636 -101.788 2.660 34.727 1.00 21.80 23226 C TYR D 636 -102.481 1.640 34.286 1.00 19.84 23227 CDI TYR D 636 -
23210 CE2 TYR D 635 -98.959 3.005 34.923 1.00 24.61 23220 CD2 TYR D 635 -99.959 3.976 32.978 1.00 22.64 23222 C TYR D 635 -99.123 3.441 31.878 1.00 22.33 23221 C TYR D 636 -99.123 3.441 31.878 1.00 22.13 23222 N TYR D 636 -99.123 3.441 31.878 1.00 22.13 23223 N TYR D 636 -101.162 3.352 33.876 1.00 22.23 23225 CB TYR D 636 -101.162 3.352 33.526 1.00 22.23 23225 CB TYR D 636 -101.162 3.352 33.426 1.00 21.80 23226 CG TYR D 636 -102.788 1.640 34.727 1.00 21.80 23226 CG TYR D 636 -102.788 1.640 34.286 1.00 18.84 23227 CD1 TYR D 636 -102.788 1.640 34.286 1.00 18.32 23228 CE1 TYR D 636 -103.335 -0.316 32.998 1.00 20.41 23229 CZ TYR D 636 -105.537 -1.174 32.967 1.00 24.19 23231 CE2 TYR D 636 -105.030 0.781 34.297 1.00 24.19 23233 CD2 TYR D 636 -104.113 1.723 34.673 1.00 18.74 23233 C TYR D 636 -102.146 4.258 32.778 1.00 28.84 23233 C TYR D 636 -101.1933 5.461 32.700 1.00 23.58
23220 CD2 TYR D 635 -94.480 2.723 34.611 1.00 24.33 23221 C TYR D 635 -99.123 3.441 31.878 1.00 22.64 23222 O TYR D 635 -99.123 3.441 31.878 1.00 22.12 23223 N TYR D 636 -101.62 3.525 33.526 1.00 22.22 23225 CB TYR D 636 -101.788 2.660 34.727 1.00 21.80 23226 CG TYR D 636 -102.788 1.60 34.277 1.00 21.80 23227 CDI TYR D 636 -102.788 1.60 34.298 1.00 19.84 23229 CZ TYR D 636 -104.628 -0.33 -0.316 32.998 1.00 20.41 23230 OR TYR D
23221 C TYR D 635 -98.959 3.976 32.978 1.00 22.64 23222 N TYR D 636 -99.927 4.025 33.876 1.00 22.13 23223 N TYR D 636 -99.927 4.025 33.876 1.00 22.13 23224 CA TYR D 636 -101.162 3.352 33.526 1.00 22.38 23225 CB TYR D 636 -101.788 2.660 34.727 1.00 21.80 23226 CG TYR D 636 -102.788 1.640 34.226 1.00 18.32 23227 CD TYR D 636 -102.788 1.640 34.226 1.00 18.32 23228 CEI TYR D 636 -102.788 1.640 34.926 1.00 18.32 23229 CZ TYR D 636 -102.417 0.625 33.436 1.00 18.32 23230 CT TYR D 636 -104.628 -0.238 33.441 1.00 20.72 23230 CT TYR D 636 -105.537 -1.174 32.967 1.00 24.19 23232 CDZ TYR D 636 -104.113 1.723 34.673 1.00 18.72 23233 C TYR D 636 -104.113 1.723 34.673 1.00 18.72 23233 C TYR D 636 -102.146 4.258 32.778 1.00 22.84 23233 C TYR D 636 -101.933 5.461 32.700 1.00 23.58
23222 O TYR D 635 -99.123 3.441 31.878 1.00 22.13 23223 N TYR D 636 -99.927 4.025 33.876 1.00 22.22 23224 CA TYR D 636 -101.162 3.352 33.526 1.00 22.38 23225 CB TYR D 636 -101.788 1.640 34.277 1.00 21.80 23226 CG TYR D 636 -102.788 1.640 34.286 1.00 18.34 23227 CD1 TYR D 636 -102.417 0.625 33.436 1.00 18.32 23228 CE1 TYR D 636 -104.417 0.625 33.436 1.00 18.32 23229 CZ TYR D 636 -104.628 -0.238 33.413 1.00 20.72 23230 OH TYR D 636 -105.537 -1.174 32.967 1.00 24.19 23231 CEZ TYR D 636 -105.537 -1.174 32.967 1.00 24.19 23232 CD2 TYR D 636 -104.113 1.723 34.673 1.00 18.74 23233 C TYR D 636 -102.146 4.258 32.778 1.00 2.84 23233 C TYR D 636 -101.1933 5.461 32.770 1.00 22.84
23223 N TYR D 636 -99.927 4.025 33.876 1.00 22.22 23224 CA TYR D 636 -101.1788 2.660 34.727 1.00 21.80 23225 CB TYR D 636 -102.788 1.640 34.286 1.00 19.84 23226 CB TYR D 636 -102.477 0.625 33.436 1.00 18.32 23228 CEI TYR D 636 -103.335 -0.316 32.998 1.00 20.41 23239 CE TYR D 636 -105.537 -1.174 32.967 1.00 24.19 23231 CE2 TYR D 636 -105.537 -1.174 32.967 1.00 20.82 23232 CD2 TYR D 636 -104.113 1.723 34.673 1.00 20.82 23233 C TYR D 636
23224 CA TYR D 636 -101.162 3.352 33.526 1.00 22.38 23225 CB TYR D 636 -101.788 2.660 34.727 1.00 21.80 23227 CDI TYR D 636 -102.788 1.640 34.286 1.00 19.84 23227 CDI TYR D 636 -102.417 0.625 33.436 1.00 20.41 23228 CEI TYR D 636 -104.628 -0.238 33.413 1.00 20.72 23230 OH TYR D 636 -105.537 -1.174 32.967 1.00 20.72 23231 CE TYR D 636 -105.537 -1.174 34.259 1.00 20.41 23232 CDZ TYR D 636 -105.537 -1.174 34.259 1.00 20.82 23231 CE TYR D 636 -104.113 1.723 34.673 1.00 18.74 23233 CD TYR D 636 -104.113 1.723 34.673 1.00 18.74 23233 CD TYR D 636 -101.914 4.258
23225 CB TYR D 636 -101.788 2.660 34.727 1.00 21.80 23226 CG TYR D 636 -102.487 0.625 33.436 1.00 18.32 23228 CEI TYR D 636 -102.417 0.625 33.436 1.00 18.32 23228 CEI TYR D 636 -104.417 0.625 33.436 1.00 20.72 23230 CH TYR D 636 -104.628 -0.238 33.413 1.00 20.72 23230 CH TYR D 636 -104.628 -0.238 33.413 1.00 20.72 23231 CE2 TYR D 636 -105.537 -1.174 32.967 1.00 24.19 23231 CE2 TYR D 636 -105.030 0.781 34.259 1.00 20.82 2323 CD2 TYR D 636 -104.113 1.723 34.673 1.00 18.74 23233 C TYR D 636 -102.146 4.258 32.778 1.00 22.84 23234 O TYR D 636 -101.933 5.461 32.700 1.00 23.58
23226 CG TYR D 636 -102.788 1.640 34.286 1.00 19.84 23227 CD TYR D 636 -102.417 0.625 33.436 1.00 18.32 23228 CEI TYR D 636 -103.335 -0.316 32.998 1.00 20.41 23229 CZ TYR D 636 -104.628 -0.238 33.413 1.00 20.72 23231 CEZ TYR D 636 -105.537 -1.174 32.967 1.00 24.19 23232 CEZ TYR D 636 -104.113 1.723 34.673 1.00 18.74 23233 C TYR D 636 -102.146 4.258 32.778 1.00 22.84 23234 O TYR D 636 -101.33 5.461 32.700 1.00 22.84 23234 O TYR D 636 -103.33 5.461 32.700 1.00 23.58
23227 CD1 TYR D 636 -102.417 0.625 33.436 1.00 18.32 23228 CE1 TYR D 636 -104.628 -0.238 33.413 1.00 20.41 23229 CZ TYR D 636 -104.628 -0.238 33.413 1.00 20.72 23230 OH TYR D 636 -105.537 -1.174 32.967 1.00 24.19 23231 CEZ TYR D 636 -105.030 0.781 34.259 1.00 20.82 23232 CD2 TYR D 636 -104.113 1.723 34.673 1.00 18.74 23233 C TYR D 636 -104.113 1.723 34.673 1.00 18.74 23233 C TYR D 636 -102.146 4.258 32.778 1.00 22.84 23234 O TYR D 636 -101.933 5.461 32.700 1.00 23.58
23228 CEI TYR D 636 -103.335 -0.316 32.998 1.00 20.41 23229 CZ TYR D 636 -104.628 -0.238 33.413 1.00 20.72 23230 OH TYR D 636 -105.537 -1.174 32.967 1.00 24.19 23231 CEZ TYR D 636 -105.030 0.761 34.259 1.00 20.82 23232 CDZ TYR D 636 -104.113 1.723 34.673 1.00 18.74 23233 C TYR D 636 -104.113 1.723 34.673 1.00 18.74 23233 C TYR D 636 -102.146 4.258 32.778 1.00 22.84 23234 O TYR D 636 -101.933 5.461 32.700 1.00 23.58
23229 CZ TYR D 636 -104.628 -0.238 33.413 1.00 20.72 23230 OH TYR D 636 -105.537 -1.174 32.967 1.00 24.19 23231 CE TYR D 636 -105.030 0.781 34.259 1.00 20.82 23232 CD2 TYR D 636 -104.113 1.723 34.673 1.00 18.74 23233 C TYR D 636 -102.146 4.258 32.778 1.00 22.84 23233 C TYR D 636 -101.933 5.461 32.700 1.00 23.58
23230 OH TYR D 636 -105.537 -1.174 32.967 1.00 24.19 23231 CE2 TYR D 636 -105.030 0.781 34.259 1.00 20.82 23232 CD2 TYR D 636 -104.113 1.723 34.673 1.00 18.74 23233 C TYR D 636 -102.146 4.258 32.778 1.00 22.84 23234 O TYR D 636 -101.933 5.461 32.700 1.00 23.58
23231 CE2 TYR D 636 -105.030 0.781 34.259 1.00 20.82 23232 CD2 TYR D 636 -104.113 1.723 34.673 1.00 18.74 23233 C TYR D 636 -102.146 4.258 32.778 1.00 22.84 23234 O TYR D 636 -101.933 5.461 32.700 1.00 23.84
23232 CD2 TYR D 636 -104.113 1.723 34.673 1.00 18.74 23233 C TYR D 636 -102.146 4.258 32.778 1.00 22.84 23234 O TYR D 636 -101.933 5.461 32.700 1.00 23.58
23233 C TYR D 636 -102.146 4.258 32.778 1.00 22.84 23234 O TYR D 636 -101.933 5.461 32.700 1.00 23.58
23234 O TYR D 636 -101.933 5.461 32.700 1.00 23.58
23236 CA ASP D 637 -104.079 4.478 31.365 1.00 24.69
23237 CB ASP D 637 -105.030 3.616 30.523 1.00 24.97
23238 CG ASP D 637 -106.145 3.012 31.328 1.00 25.70
23239 OD1 ASP D 637 -106.957 3.784 31.853 1.00 26.97
23240 OD2 ASP D 637 -106.313 1.778 31.453 1.00 26.60
23241 C ASP D 637 -104.798 5.545 32.178 1.00 25.32
23242 O ASP D 637 -104.842 5.495 33.411 1.00 25.23
23243 N SER D 638 -105.354 6.522 31.474 1.00 25.73
23244 CA SER D 638 -105.904 7.694 32.132 1.00 25.90
23245 CB SER D 638 -105.934 8.843 31.140 1.00 25.38
23246 OG SER D 638 -106.815 8.506 30.101 1.00 26.53

FIGURE 3 QN

A	В	C	D	E	F	G	H	I	J
00045	_		_			B 516			05 08
23247	C	SER		638	-107.281	7.516	32.777		25.91
23248	0	SER		638	-107.500	7.960	33.897		25.61
23249	N	VAL		639	-108.218	6.863	32.103		26.51
23250	CA	VAL		639	-109.543	6.834	32.699		27.09
23251	CB	VAL		639	-110.686	6.551	31.688		27.52
23252	CG1	VAL		639	-111.496	5.339	32.069		29.06
23253	CG2	VAL		639	-110.168	6.505	30.248	1.00	28.47
23254	С	VAL		639	-109.596	5.992	33.977		26.75
23255	0	VAL		639	-110.272	6.357	34.932	1.00	26.42
23256	N			640	-108.832	4.905	34.014		26.18
23257	CA			640	-108.798	4.075	35.205		25.96
23258	CB	TYR		640	-108.168	2.719	34.893		25.44
23259	CG			640	-108.145	1.767	36.066		24.92
23260	CD1	TYR		640	-109.119	0.787	36.205		24.01
23261	CE1	TYR		640	-109.100	-0.084	37.269		21.51
23262	CZ	TYR		640	-108.096	0.010	38.227		22.81
23263	OH	TYR		640	-108.097	-0.872	39.286		23.49
23264	CE2	TYR		640	-107.130	0.967	38.134		21.03
23265	CD2	TYR		640	-107.149	1.846	37.050	1.00	24.50
23266	С	TYR	D	640	-108.032	4.762	36.337	1.00	25.42
23267	0	TYR	D	640	-108.579	5.006	37.400		25.71
23268	N	THR	D	641	-106.769	5.067	36.080	1.00	25.09
23269	CA	THR	D	641	-105.878	5.672	37.052	1.00	25.10
23270	CB	THR	D	641	-104.534	5.962	36.403	1.00	24.83
23271	OG1	THR	D	641	-103.960	4.743	35.940	1.00	26.06
23272	CG2	THR	D	641	-103.534	6.479	37.441	1.00	24.57
23273	С	THR	D	641	-106.408	6.976	37.630	1.00	25.18
23274	0	THR	D	641	-106.429	7.163	38.848	1.00	24.41
23275	N	GLU	D	642	-106.830	7.872	36.749	1.00	24.77
23276	CA	GLU	D	642	-107.304	9.174	37.187	1.00	25.52
23277	CB	GLU	D	642	-107.435	10.125	35.991	1.00	25.53
23278	CG	GLU	D	642	-106.086	10.541	35.424	1.00	25.78
23279	CD	GLU	D	642	-106.193	11.254	34.090	1.00	26.46
23280	OE1	GLU	D	642	-107.337	11.592	33.676	1.00	23.00
23281	OE2	GLU	D	642	-105.122	11.473	33.469	1.00	27.43
23282	C	GLU	D	642	-108.606	9.070	37.976	1.00	25.69
23283	0	GLU	D	642	-108.879	9.886	38.858	1.00	26.67
23284	N	ARG	D	643	-109.400	8.053	37.686	1.00	25.27
23285	CA	ARG	D	643	-110.625	7.839	38.437	1.00	25.75
23286	CB	ARG		643	-111.233	6.507	38.014		26.11
23287	CG	ARG		643	-112.604	6.225	38.580	1.00	26.46
23288	CD	ARG		643	-113.448	5.411	37.619	1.00	30.50
23289	NE	ARG		643	-112.919	4.068	37.485	1.00	32.80
23290	CZ			643	-112.837	3.381	36.360	1.00	31.23
23291	NH1			643	-112.334	2.160	36.397	1.00	31.11
23292	NH2	ARG		643	-113.239	3.895	35.214	1.00	30.58
23293	C	ARG		643	-110.356	7.800	39.963	1.00	25.90
23294	ŏ	ARG	D	643	-111.142	8.302	40.767	1.00	24.71
23295	N	TYR		644	-109.234	7.184	40.332	1.00	25.76
23296	CA	TYR		644	-108.868	7.006	41.723		26.45
23297	CB			644	-108.476	5.531	41.957		26.40
,		- 410	_		_ 30 . 1 , 0			_ , 0 0	,,

FIGURE 3 QO

A	В	C D)	Е	F		G	Н		I	J
23298	CG	TYR	D	644	-109.364		4.543	41.2	20	1.00	25.41
23299	CD1	TYR			-110.679		4.338	41.6		1.00	
23300	CE1	TYR			-111.490		3.447	40.9			24.47
23301	CZ	TYR			-111.002		2.750	39.8			25.81
23302	OH	TYR			-111.812		1.859	39.1			25.64
23303	CE2	TYR	D	644	-109.713		2.942	39.4	32	1.00	25.89
23304	CD2	TYR			-108.897		3.847	40.1		1.00	26.08
23305	C	TYR	D	644	-107.705		7.905	42.1	30	1.00	26.93
23306	0	TYR	D	644	-107.502		8.189	43.3	80	1.00	27.89
23307	N	MET	D	645	-106.933		8.371	41.1	65	1.00	27.11
23308	CA	MET	D	645	-105.748		9.118	41.5	23	1.00	27.40
23309	CB	MET	D	645	-104.524		8.520	40.8	29	1.00	26.37
23310	CG	MET	D	645	-104.119		7.185	41.3	57	1.00	26.82
23311	SD			645	-103.523		7.225	43.0			28.13
23312	CE	MET	D	645	-101.827		7.877	42.7			24.04
23313	C			645	-105.807		0.586	41.1			27.88
23314	0			645	-104.871		1.308	41.5		1.00	28.19
23315	N			646	-106.880		1.040	40.5			28.54
23316	CA			646	-106.888		2.418	40.1		1.00	
23317	C			646	-105.752		2.594	39.1		1.00	
23318	0			646	-105.264		1.621	38.5		1.00	29.39
23319	N			647	-105.303		3.827	38.9		1.00	29.71
23320	CA	LEU			-104.274		4.117	37.9		1.00	30.13
23321	CB			647	-104.607		5.454	37.2		1.00	30.79
23322	CG CD1	LEU			-105.479		5.373	36.0		1.00	32.03
23323	CD1			647	-106.021		3.998	35.8		1.00	32.06
23324	CD2 C	LEU		647	-106.609 -102.884		6.389 4.158	36.0		1.00	33.49
23325	o			647	-102.884		4.593	39.7		1.00	30.86
23327	N	PRO			-102.733		3.686	37.8		1.00	29.42
23328	CA	PRO			-101.003		3.715	38.4		1.00	29.27
23329	CB	PRO			-99.788		2.641	37.5		1.00	
23330	CG	PRO			-100.474		2.645	36.2			28.08
23331	CD	PRO			-101.919		3.047	36.5		1.00	29.14
23332	C	PRO			-99.792		5.061	38.2		1.00	29.74
23333	ō	PRO			-98.744		5.100	37.5		1.00	29.58
23334	N	THR			-100.363		6.136	38.7		1.00	30.57
23335	CA	THR			-99.763		7.472	38.6		1.00	31.80
23336	CB	THR	D	649	-100.702	1:	B.440	37.9		1.00	31.39
23337	OG1	THR	D	649	-101.944	1:	8.494	38.6		1.00	33.99
23338	CG2	THR	D	649	-101.101	1	7.906	36.5	91	1.00	31.18
23339	С	THR	D	649	-99.533	1:	8.010	40.0	50	1.00	32.36
23340	0	THR	D	649	-100.146	1	7.548	41.0	10	1.00	32.49
23341	N			650	-98.683		9.020	40.1		1.00	33.18
23342	CA	PRO			-98.400		9.602	41.4		1.00	33.36
23343	CB	PRO			-97.313		0.651	41.2		1.00	33.52
23344	CG	PRO			-96.782		0.316	39.8		1.00	33.60
23345	CD	PRO			-97.962		9.701	39.0		1.00	33.10
23346	С		D	650	-99.652		0.244	42.1		1.00	34.02
23347	0	PRO			-99.718		0.423	43.3		1.00	33.80
23348	N	GLU	D	651	-100.651	21	0.577	41.2	92	1.00	34.80

FIGURE 3 QP

A	В	С	D	Е		F	G	I	H	I	J
23349	CA	GLU	D	651		.858	21.12		.903		35.73
23350	CB	GLU	D	651	-102	.394	22.35		.159	1.00	36.27
23351	CG	GLU	D	651	-102	2.305	22.32		650	1.00	38.03
23352	CD	GLU	D	651		.901	22.5		.124	1.00	39.96
23353	OE1	GLU		651		.606	22.0		.006	1.00	39.36
23354	OE2	GLU	D	651		.109	23.2		807	1.00	39.77
23355	С	GLU		651		.954	20.09		.211	1.00	35.65
23356	0	GLU	D	651		3.973	20.42		.834	1.00	35.50
23357	N	ASP	D	652		.725	18.82		827	1.00	35.10
23358	CA		D	652		3.686	17.7		.146	1.00	34.67
23359	CB	ASP	D	652		1.341	17.18		.884	1.00	35.01
23360	CG	ASP		652		.584	16.3		.200	1.00	36.32
23361	OD1	ASP	D	652		.426	16.13		.285	1.00	39.06
23362	OD2	ASP	D	652		.814	15.85		.332	1.00	36.42
23363	С			652		3.070	16.69		.027	1.00	33.99
23364	0	ASP	D	652		3.006	16.85		.240	1.00	34.82
23365 23366	N	ASN		653		2.588	15.60		.445	1.00	32.68
23366	CA CB	ASN	D D	653 653			13.38		.299	1.00	30.55
23368	CG	ASN		653		3.154	12.5		.552	1.00	29.09
23369	OD1			653		2.564	12.9		.573	1.00	26.00
23370	ND2	ASN		653		3.815	11.40		.504	1.00	26.65
23370	C	ASN		653).730	13.9		.006	1.00	31.49
23371	0	ASN	D	653).435	12.85		.358	1.00	31.75
23373	N	LEU	D	654		9.863	14.7		.390	1.00	31.54
23374	CA	LEU	D	654		3.547	14.20		.003	1.00	30.92
23375	CB	LEU	D	654		7.725	15.3		292	1.00	31.00
23376	CG	LEU	D	654		3.359	14.7		877	1.00	31.08
23377	CD1	LEU	D	654		3.323	15.88		781	1.00	32.92
23378	CD2	LEU		654		.457	14.00		578	1.00	27.02
23379	С	LEU	D	654	-97	7.708	13.65		.124	1.00	30.82
23380	0	LEU	D	654		5.990	12.69		.904	1.00	30.53
23381	N	ASP	D	655	-97	7.764	14.23	18 44	.318	1.00	30.70
23382	CA	ASP	D	655	-96	5.947	13.65	52 45	.376	1.00	31.26
23383	CB	ASP	D	655	-96	5.979	14.50	7 46	637	1.00	31.48
23384	CG	ASP	D	655	-96	.491	15.92	22 46	.383	1.00	34.42
23385	OD1	ASP	D	655		6.630	16.13		.483	1.00	34.31
23386	OD2		D	655		5.934	16.90		.029	1.00	38.79
23387	С	ASP	D	655		7.355	12.23		.668	1.00	30.63
23388	0	ASP		655		5.499	11.33		.813	1.00	30.49
23389	N	HIS		656		3.648	11.93		.743	1.00	29.83
23390	CA	HIS	D	656		3.994	10.5		.002	1.00	29.73
23391	CB	HIS		656		.438	10.32		.446	1.00	29.65
23392	CG	HIS	D	656		.671	8.92		.884	1.00	30.71
23393	ND1	HIS	D	656		9.932	8.33		.889	1.00	30.42
23394	CE1	HIS	D	656		300	7.0		.021	1.00	30.17
23395	NE2	HIS	D	656		.242	6.83		.131	1.00	28.07
23396	CD2	HIS	D	656		1.478	7.95		.394	1.00	30.82
23397	С	HIS	D	656		3.630	9.63		.819	1.00	28.97
23398	0	HIS		656		3.252	8.50		.036		28.51
23399	И	TYR	D	00/	-98	3.718	10.1	1/ 43	.588	1.00	28.14

FIGURE 3 QQ

A	В	С	D	Е	F	G	Н	I	J
23400	CA	TYR	D	657	-98.286	9.375	42.424	1.00	28.19
23401	CB	TYR			-98.376	10.193	41.139	1.00	27.67
23402	CG	TYR		657	-99.674	10.121	40.365		26.53
23403	CD1	TYR			-99.802	9.308	39.255		24.07
23404	CE1	TYR		657	-100.986	9.275	38.524		23.58
23405	CZ	TYR		657	-102.041	10.075	38.907		24.30
23406	OH	TYR	D	657	-103.245	10.065	38,206	1.00	20.81
23407	CE2	TYR	D	657	-101.912	10.903	40.001		23.39
23408	CD2	TYR		657	-100.743	10.935	40.701	1.00	
23409	С	TYR	D	657	-96.831	8.985	42.554	1.00	28.74
23410	0	TYR	D	657	-96.433	7.886	42.167	1.00	28.89
23411	N		D	658	-96.024	9.899	43.077	1.00	29.24
23412	CA	ARG	D	658	-94.595	9.664	43.158	1.00	29.78
23413	CB	ARG	D	658	-93.843	10.986	43.273	1.00	29.78
23414	CG	ARG	D	658	-93.840	11.758	41.990	1.00	30.49
23415	CD	ARG	D	658	-93.500	10.875	40.774	1.00	33.83
23416	NE	ARG	D	658	-93.915	11.491	39.519	1.00	32.92
23417	CZ	ARG	D	658	-93.256	12.469	38.929	1.00	33.21
23418	NH1	ARG	D	658	-92.145	12.928	39.478	1.00	33.18
23419	NH2	ARG	D	658	-93.701	12.980	37.786	1.00	33.18
23420	C	ARG	D	658	-94.269	8.807	44.344	1.00	30.14
23421	0	ARG	D	658	-93.181	8.244	44.439	1.00	30.68
23422	N	ASN	D	659	-95.218	8.731	45.257	1.00	30.69
23423	CA	ASN	D	659	-95.044	7.998	46.496	1.00	31.33
23424	CB	ASN	D	659	-95.796	8.704	47.625	1.00	32.34
23425	CG	ASN	D	659	-94.874	9.237	48.681	1.00	36.48
23426	OD1	ASN	D	659	-94.189	10.246	48.469	1.00	41.41
23427	ND2	ASN	D	659	-94.811	8.542	49.827	1.00	39.55
23428	C	ASN	D	659	-95.549	6.578	46.444	1.00	30.22
23429	0	ASN			-95.230	5.802	47.316	1.00	30.45
23430	N	SER		660	-96.362	6.248	45.444	1.00	28.90
23431	CA	SER		660	-96.971	4.929	45.403	1.00	27.43
23432	CB	SER		660	-98.493	5.075	45.292	1.00	
23433	OG	SER		660	-98.852	5.896	44.191		26.77
23434	С	SER		660	-96.400	3.989	44.318	1.00	
23435	0	SER		660	-97.068	3.064	43.845		25.76
23436	N	THR		661	-95.155	4.221	43.941	1.00	24.89
23437	CA	THR		661	-94.514	3.377	42.960	1.00	23.90
23438	CB	THR		661	-93.373	4.143	42.316		24.52
23439	OG1	THR		661	-92.362	4.347	43.308	1.00	
23440	CG2	THR		661	-93.800	5.542	41.940		23.39
23441	C	THR		661	-93.891	2.180	43.653	1.00	22.71
23442	0	THR		661	-93.467	2.280	44.804	1.00	
23443	N	VAL		662	-93.778	1.054	42.961		21.39
23444	CA	VAL		662	-93.064	-0.028	43.610		20.70
23445 23446	CB CG1	VAL	D	662	-93.480 -94.804	-1.500 -1.542	43.158	1.00	20.31
23446	CG1	VAL		662 662	-94.804 -92.383	-2.269	42.414 42.485	1.00	17.64 16.38
23447	CG2	VAL			-92.383 -91.563			1.00	21.43
23448	0	VAL		662 662	-90.860	0.236 -0.163	43.600 44.525		22.11
23449	N	MET			-91.078	0.929	44.525		
23430	TA .	MET.	ע	003	-91.078	0.929	42.369	1.00	22.18

FIGURE 3 QR

A	В	C	D	Е		F	G		Н	I	J
23451	CA	MET	D	663	-89	.658	1.265	42	.469	1.00	22.22
23452	CB	MET	D	663	-89	.362	2.125	41	.223	1.00	22.16
23453	CG	MET	D	663	-89	.309	1.330	39	.884	1.00	20.41
23454	SD	MET	D	663	-90	.971	0.820	39	.315	1.00	20.24
23455	CE	MET	D	663	-91	.665	2.361	38	.782	1.00	17.95
23456	C	MET	D	663	-89	.071	1.930	43	.709	1.00	23.01
23457	0	MET	D	663	-87	.908	1.695	44	.039	1.00	24.00
23458	N	SER	D	664	-89	.840	2.751	44	.409	1.00	23.37
23459	CA	SER	D	664	-89	.273	3.427	45	.571	1.00	24.66
23460	CB	SER	D	664	-90	.184	4.544	46	.035	1.00	25.02
23461	OG	SER	D	664	-91	.461	4.013	46	.338	1.00	27.47
23462	C	SER	D	664	-89	.039	2.465	46	.740	1.00	25.06
23463	0	SER		664		.336	2.799		.696		24.70
23464	N		D	665		.614	1.268		.649	1.00	24.56
23465	CA	ARG		665		.456	0.284		.700		24.85
23466	CB	ARG	D	665		.798	-0.369		.999	1.00	24.78
23467	CG	ARG		665		.809	0.640		.551		25.88
23468	CD		D	665		.214	0.129		.642		26.79
23469	NE		D	665		.129	1.112		.216	1.00	26.35
23470	CZ	ARG	D	665		.170	0.782		.957		27.60
23471	NH1	ARG	D	665		.418	-0.496		.206	1.00	28.66
23472	NH2	ARG		665		.967	1.715		.455		29.38
23473	С	ARG		665		.441	-0.766		.343		24.22
23474	0	ARG		665		.350	-1.778		.011	1.00	24.33
23475	N	ALA		666		.675	-0.518		.292		24.52
23476	CA	ALA		666		.732	-1.511		.771	1.00	24.78
23477	CB	ALA		666		.950	-0.935		.627	1.00	24.85
23478	С	ALA		666		.784	-2.118		.790	1.00	25.15
23479	0	ALA		666		.509	-3.314 -1.302		.751	1.00	25.19
23480	N	GLU	D D	667		.271			.697	1.00	
23481 23482	CA CB	GLU	D	667 667		308	-1.783 -0.616		.683	1.00	26.94
23483	CG	GLU		667		.794	-0.998		.658	1.00	31.37
23484	CD	GLU	D	667		.432	-1.370		.083	1.00	34.98
23485	OE1	GLU		667		.668	-2.100		.756	1.00	36.00
23486	OE2	GLU		667		.123	-0.940		.947	1.00	37.23
23487	C	GLU	D	667		.913	-2.892		.526	1.00	26.63
23488	Õ	GLU		667		.239	-3.830		.896	1.00	26.96
23489	N	ASN	D	668		.197	-2.792		.819	1.00	26.69
23490	CA	ASN		668		.852	-3.772		.677	1.00	26.46
23491	CB	ASN		668		.185	-3.209		.165	1.00	27.48
23492	CG	ASN	D	668		.996	-2.144		.216	1.00	29.06
23493	OD1	ASN	D	668	-87	.017	-2.174	52	.925	1.00	33.18
23494	ND2	ASN	D	668		.918	-1.209		.315	1.00	31.95
23495	C	ASN	D	668		.082	-5.133		.049	1.00	25.84
23496	0	ASN	D	668		.401	-6.095		.757		25.33
23497	N	PHE	D	669	-86	.965	-5.228	48	.727	1.00	24.32
23498	CA	PHE	D	669	-87	.143	-6.540		.109	1.00	23.47
23499	CB	PHE	D	669	-87	.296	-6.454	46	.589	1.00	22.54
23500	CG	PHE	D	669	-88	.684	-6.046	46	.141	1.00	21.60
23501	CD1	PHE	D	669	-89	.139	-4.736	46	.343	1.00	19.42

FIGURE 3 QS

A	В	С	D	E	F	G	H	I	J
23502	CE1	PHE	D	669	-90.390	-4.342	45.956	1 00	17.25
23503	CZ	PHE		669	-91.226	-5.259	45.316	1.00	
23504	CE2			669	-90.779	-6.576	45.097		21.06
23505	CD2	PHE		669	-89.519	-6.958	45.517	1.00	19.03
23506	C	PHE		669	-85.971	-7.442	48.512	1.00	
23507	ō			669	-85.915	-8.609	48.140		22.93
23508	N	LYS		670	-85.031	-6.894	49.271	1.00	
23509	CA			670	-83.916	-7.711	49.740		24.37
23510	CB			670	-82.838	-6.849	50.393	1.00	
23511	CG	LYS			-82.002	-6.077	49.413	1.00	
23512	CD	LYS			-80.915	-5.305	50.156		29.30
23512	CE			670	-80.001	-4.606	49.181	1.00	
23513	NZ	LYS			-79.113	-3.649	49.894	1.00	33.24
23514	C	LYS			-84.438	-8.656	50.789	1.00	
23516	0	LYS			-83.792	-9.608	51.129	1.00	
23517	N	GLN			-85.614	-8.347	51.309		23.78
23517	CA	GLN			-86.205	-9.097	52.402	1.00	
23518	CB	GLN			-86.968	-8.115	53.317		22.86
23520	CG	GLN			-86.097	-6.988	53.845	1.00	
23520	CD	GLN			-86.860	-5.953	54.653	1.00	
23521	OE1	GLN			-87.885	-5.420	54.196		23.77
23523	NE2	GLN			-86.355	-5.644	55.859	1.00	
23523	C	GLN			-87.126	-10.233	51.921		23.80
23524	0	GLN			-87.734	-10.233	52.735		23.47
23526	N					-10.937	50.606		23.40
23527	CA	VAL				-10.421	50.071		23.40
23527	CB	VAL				-10.786	49.606	1.00	
23528	CG1	VAL			-90.161	-10.786	50.732		22.21
23530	CG2	VAL			-89.225	-9.834	48.423	1.00	
23531	C	VAL			-87.559		48.850	1.00	
23532	0	VAL			-86.540	-11.638	48.338	1.00	
23533	N	GLU				-13.080	48.389	1.00	
23534	CA	GLU				-13.736	47.151		24.88
23535	CB	GLU			-87.811	-15.243	47.384		25.87
23536	CG	GLU				-15.589	48.378	1.00	
23537	CD	GLU				-16.595	49.427	1.00	38.23
23538	OE1	GLU				-17.584	49.062	1.00	40.78
23539	OE2	GLU				-16.405	50.622	1.00	42.84
23540	C	GLU			-89.035	-13.357	46.201	1.00	
23541	0	GLU			-90.220	-13.564	46.513	1.00	
23542	И	TYR			-88.668	-12.803	45.051	1.00	23.00
23543	CA	TYR			-89.626	-12.190	44.129	1.00	
23544	CB	TYR			-89.299	-10.702	44.023		22.84
23545	CG	TYR			-90.225	-9.782	43.251		21.85
23546	CD1	TYR			-91.612	-9.768	43.463		22.71
23546	CE1	TYR			-92.441	-8.860	42.771		22.71
23548	CZ	TYR			-91.850	-7.946	41.874	1.00	
23548	OH	TYR			-92.605	-7.034	41.874		23.00
23550	CE2	TYR			-90.498	-7.034	41.173		20.57
23551	CD2	TYR			-89.696	-8.862	42.357		21.62
23551	C D2	TYR			-89.562	-12.775	42.357		22.26
23332	-	111	D	0/4	-09.002	-12.773	42.734	1.00	22.20

FIGURE 3 QT

A	В	C	D	Е		F	G	Н	I	J
23553	0	TYR	D	674	-88	.478	-13.015	42.221	1.00	21.96
23554	N	LEU	D	675	-90	.735	-12.993	42.177	1.00	22.14
23555	CA	LEU	D	675	-90	.822	-13.490	40.818	1.00	22.26
23556	CB	LEU	D	675	-91	.456	-14.890	40.762	1.00	22.37
23557	CG	LEU	D	675	-91	.857	-15.441	39.383	1.00	21.98
23558	CD1	LEU	D	675	-90	.692	-15.466	38.445	1.00	19.90
23559	CD2	LEU	D	675	-92	.388	-16.824	39.538	1.00	22.13
23560	C	LEU	D	675	-91	.652	-12.466	40.076	1.00	22.02
23561	0	LEU	D	675	-92	.773	-12.181	40.469	1.00	21.37
23562	N	LEU	D	676	-91	.071	-11.905	39.014	1.00	22.03
23563	CA	LEU	D	676	-91	.705	-10.848	38.242	1.00	21.86
23564	CB	LEU	D	676		.812	-9.612	38.225	1.00	
23565	CG	LEU	D	676		.271	-8.438	37.356		20.70
23566	CD1	LEU	D	676		.127	-7.441	37.272	1.00	
23567	CD2	LEU	D	676		.502	-7.791	37.931	1.00	17.32
23568	C	LEU	D	676		.934	-11.337	36.823		21.76
23569	0	LEU		676		.991	-11.737	36.122	1.00	
23570	N	ILE	D	677		.186	-11.292	36.396		21.49
23571	CA	ILE	D	677		.536	-11.854	35.119	1.00	
23572	CB	ILE	D	677		.364	-13.092	35.387	1.00	
23573	CG1	ILE	D	677		.534	-14.087	36.228		21.36
23574	CD1	ILE	D	677		.300	-15.327	36.633	1.00	19.60
23575	CG2	ILE	D	677		.893	-13.706	34.073		21.51
23576	C	ILE	D	677		.317	-10.856	34.275	1.00	
23577	0	ILE	D	677		.221	-10.179	34.786		22.88
23578	N	HIS	D	678		.009	-10.782	32.982		21.54
23579	CA	HIS	D	678		.726	-9.840	32.138	1.00	
23580	CB	HIS	D	678		.148	-8.434 -7.339	32.355		21.41
23581 23582	CG ND1	HIS	D D	678 678		.326	-6.308	32.116	1.00	20.87
23582	CE1	HIS	D	678		.270	-5.504	33.007 32.547	1.00	
23584	NE2	HIS	D	678		.688	-5.973	31.383		21.36
23585	CD2	HIS		678		.004	-7.127	31.096	1.00	18.42
23586	CDZ	HIS	D	678		.686	-10.199	30.650	1.00	21.66
23587	0	HIS		678		.671	-10.153	30.156		21.22
23588	N	GLY		679		.805	-10.005	29.954		22.01
23589	CA	GLY	D	679		.882	-10.236	28.526		21.96
23590	C	GLY	D	679		.293	-9.048	27.790	1.00	
23591	Õ	GLY	D	679		.645	-7.917	28.089	1.00	
23592	N	THR		680		.417	-9.278	26.811	1.00	
23593	CA	THR		680		.796	-8.153	26.109		23.51
23594	CB	THR		680		.580	-8.620	25.306		23.74
23595	OG1	THR		680		.010	-9.481	24.236	1.00	
23596	CG2	THR		680		.691	-9.502	26.175		20.99
23597	C	THR	D	680	-94	.746	-7.353	25.212	1.00	24.43
23598	0	THR		680		.414	-6.251	24.781		24.65
23599	N	ALA	D	681	-95	.936	-7.894	24.960	1.00	24.82
23600	CA	ALA	D	681		.895	-7.250	24.087	1.00	25.27
23601	CB	ALA	D	681		.225	-8.162	22.879	1.00	25.14
23602	C	ALA		681		.159	-6.900	24.862		25.79
23603	0	ALA	D	681	-99	.280	-6.920	24.325	1.00	26.71

FIGURE 3 QU

A	В	С	D	E	F	G	H	I	J
23604	N	ASP	D	682	-97.976	-6.599	26.140	1.00	25.58
23605	CA	ASP		682	-99.081		26.986		24.26
23606	CB	ASP		682	-98.642		28.432		24.03
23607	CG	ASP		682	-99.783		29.387		23.05
23608	OD1	ASP		682	-99.778		30.430		23.38
23609	OD2	ASP	D	682	-100.740		29.174		21.88
23610	C	ASP	D	682	-99.418		26.622		24.58
23611	Ö	ASP		682	-98.620		26.879		24.35
23612	N	ASP			-100.589		26.023	1.00	24.45
23612	CA	ASP	D	683	-100.589		25.515		24.45
23614	CB	ASP		683	-101.995		24.372		24.67
23615	CG	ASP	D	683	-103.120		24.752		24.79
23616	OD1	ASP		683	-102.890		24.805		25.70
23617	OD2	ASP	D	683	-104.267		25.029		24.84
23618	С	ASP		683	-101.746		26.568		24.92
23619	0	ASP		683	-102.032		26.402		24.30
23620	N	ASN	D	684	-102.060		27.647		24.70
23621	CA	ASN		684	-102.800		28.750		23.71
23622	CB	ASN		684	-103.704		29.307	1.00	23.67
23623	CG	ASN		684	-104.729		30.259		23.03
23624	OD1	ASN		684	-105.777		30.444		26.22
23625	ND2	ASN		684	-104.430		30.878		22.01
23626	С	ASN		684	-101.798		29.780		23.32
23627	0	ASN		684	-101.558		29.901		22.78
23628	N	VAL		685	-101.231		30.563		22.67
23629	CA	VAL		685	-100.132		31.411		21.98
23630	CB	VAL		685	-100.272		32.943		22.73
23631	CG1	VAL		685	-101.492		33.262		21.21
23632	CG2	VAL		685	-98.970		33.583		22.59
23633	С	VAL		685	-98.850		30.716		21.40
23634	0	VAL	D	685	-98.478		30.543		21.30
23635	N	HIS		686	-98.211		30.251		20.86
23636	CA	HIS		686	-97.066		29.370		20.94
23637	CB	HIS		686	-96.757		28.814	1.00	19.78
23638	CG	HIS		686	-97.954		28.173	1.00	19.37
23639	ND1	HIS	D	686	-98.243		28.263	1.00	16.50
23640	CE1	HIS	D	686	-99.368		27.612	1.00	19.38
23641	NE2	HIS	D	686	-99.818		27.105	1.00	19.51
23642	CD2	HIS	D	686	-98.956		27.447	1.00	17.66
23643	С	HIS	D	686	-95.876		30.006		21.02
23644	0	HIS	D	686	-95.616		31.179	1.00	21.72
23645	N	PHE	D	687	-95.189		29.237		21.34
23646	CA	PHE		687	-93.983		29.739		20.81
23647	CB	PHE		687	-93.244		28.596		20.15
23648	CG	PHE		687	-92.055		29.028	1.00	18.91
23649	CD1	PHE	D	687	-92.217		29.439	1.00	17.67
23650	CE1	PHE	D	687	-91.120		29.831	1.00	17.81
23651	CZ	PHE	D	687	-89.870		29.792	1.00	16.78
23652	CE2	PHE	D	687	-89.687		29.380	1.00	18.33
23653	CD2	PHE		687	-90.776		28.992	1.00	16.92
23654	C	PHE	D	687	-93.085	-3.212	30.435	1.00	21.54

FIGURE 3 QV

A	В	C	D	Е	F	G	Н	1	J
23655	0	PHE	D	687	-92.386	-3.546	31.398	1.00	22.37
23656	N	GLN		688	-93.123				21.62
23657	CA			688	-92.382				21.99
23658	CB	GLN		688	-92.986			1.00	21.49
23659	CG	GLN		688	-92.732				21.34
23660	CD			688	-93.623				20.42
23661	OE1	GLN	D	688	-94.790				21.30
23662	NE2	GLN	D	688	-93.062			1.00	18.03
23663	C	GLN		688	-92.478			1.00	21.77
23664	ŏ			688	-91.512				22.49
23665	N			689	-93.68			1.00	
23666	CA	GLN		689	-93.99				22.02
23667	CB			689	-95.47				21.84
23668	CG	GLN		689	-96.17			1.00	25.01
23669	CD	GLN		689	-97.01				23.27
23670	OE1	GLN		689	-96.95				26.17
23671	NE2	GLN	D	689	-97.83				22.99
23672	C			689	-93.082				22.00
23673	Ö	GLN		689	-92.51			1.00	22.48
23674	N	SER		690	-92.908			1.00	
23675	CA	SER		690	-92.023			1.00	21.13
23676	CB	SER			-92.373				21.43
23677	OG	SER		690	-93.582				21.44
23678	C	SER		690	-90.57				20.96
23679	0	SER		690	-89.685				21.48
23680	N	ALA		691	-90.328				20.62
23681	CA	ALA		691	-88.970			1.00	20.80
23682	CB	ALA		691	-88.93				20.67
23683	C	ALA			-88.35			1.00	20.77
23684	Ö	ALA			-87.13			1.00	21.27
23685	N	GLN			-89.183			1.00	20.70
23686	CA	GLN			-88.725			1.00	
23687	CB			692	-89.68				21.00
23688	CG	GLN	D	692	-89.700			1.00	
23689	CD	GLN		692	-88.435			1.00	
23690	OE1	GLN	D	692	-87.472				26.51
23691	NE2	GLN		692	-88.43				24.59
23692	C	GLN	D	692	-88.592				20.78
23693	ŏ	GLN		692	-87.70			1.00	20.62
23694	N	ILE		693	-89.46			1.00	20.68
23695	CA	ILE	D	693	-89.30			1.00	20.87
23696	CB	ILE		693	-90.428			1.00	20.42
23697	CG1	ILE	D	693	-91.712			1.00	19.89
23698	CD1	ILE	D	693	-92.90			1.00	16.39
23699	CG2	ILE	D	693	-90.03			1.00	20.06
23700	C	ILE	D	693	-87.976			1.00	20.52
23700	Ö		D	693	-87.21				21.24
23701	N	SER		694	-87.693				21.10
23702	CA	SER		694	-86.468			1.00	20.77
23703	CB	SER			-86.46			1.00	
23705	OG	SER			-86.308				21.03
23103	00	SER	D	0.54	-00.300	9.342	34.343	1.00	21.23

FIGURE 3 QW

A	В	С	D	Е	F	G	Н	I	J
23706	С	SER	D	694	-85.218	-3.962	37.384	1.00	20.65
23707	0	SER	D	694	-84.209	-4.374	37.913	1.00	20.94
23708	N	LYS	D	695	-85.267	-2.792	36.754	1.00	20.75
23709	CA	LYS	D	695	-84.109	-1.912	36.703	1.00	20.30
23710	CB	LYS	D	695	-84.316	-0.806	35.647	1.00	20.51
23711	CG	LYS	D	695	-83.226	0.253	35.635	1.00	19.10
23712	CD	LYS	D	695	-83.052	0.919	34.260	1.00	18.50
23713	CE	LYS	D	695	-84.301	1.678	33.807	1.00	19.63
23714	NZ	LYS	D	695	-84.671	2.888	34.658	1.00	23.49
23715	C	LYS	D	695	-83.891	-1.308	38.078	1.00	20.61
23716	0	LYS	D	695	-82.785	-1.113	38.509	1.00	20.27
23717	N	ALA		696	-84.957	-1.016	38.788		21.51
23718	CA	ALA		696	-84.772	-0.475	40.119		23.18
23719	CB	ALA		696	-86.082	0.086	40.647		22.96
23720	С	ALA		696	-84.196	-1.546	41.064		24.04
23721	0	ALA	D	696	-83.400	-1.233	41.946	1.00	25.62
23722	N	LEU		697	-84.584	-2.801	40.877		24.70
23723 23724	CA CB	LEU	D D	697 697	-84.048 -84.843	-3.893 -5.186	41.711	1.00	25.61
23725	CG	LEU	D	697	-86.288	-5.178	42.048	1.00	26.26
23726	CD1	LEU	D	697	-86.968	-6.530	41.876	1.00	26.82
23727	CD2	LEU		697	-86.304	-4.787	43.504	1.00	28.62
23728	C D2	LEU		697	-82.583	-4.140	41.404		25.90
23729	0	LEU	D	697	-81.772	-4.330	42.309	1.00	26.11
23730	N	VAL		698	-82.237	-4.134	40.121		26.07
23731	CA	VAL		698	-80.851	-4.304	39.735	1.00	25.49
23732	CB	VAL		698	-80.704	-4.237	38.207	1.00	25.71
23733	CG1	VAL		698	-79.244	-4.082	37.820	1.00	23.66
23734	CG2	VAL		698	-81.313	-5.488	37.555	1.00	24.81
23735	C	VAL	D	698	-80.042	-3.171	40.336	1.00	26.30
23736	0	VAL	D	698	-78.927	-3.355	40.865	1.00	26.31
23737	N	ASP	D	699	-80.606	-1.974	40.255	1.00	26.42
23738	CA	ASP	D	699	-79.901	-0.815	40.735		27.19
23739	CB	ASP	D	699	-80.598	0.455	40.281	1.00	27.83
23740	CG	ASP	D	699	-80.334	0.748	38.820	1.00	31.61
23741	OD1	ASP	D	699	-80.873	1.747	38.312	1.00	34.02
23742	OD2	ASP	D	699	-79.614	0.011	38.094	1.00	35.99
23743	C	ASP		699	-79.538	-0.802	42.231	1.00	26.39
23744	0	ASP	D	699	-78.557	-0.188	42.596	1.00	26.84
23745	N	VAL	D	700	-80.302	-1.480	43.083	1.00	25.93
23746	CA	VAL		700	-79.959	-1.529	44.515		25.70
23747	CB	VAL		700	-81.141	-1.142	45.464	1.00	25.71
23748	CG1	VAL		700	-81.578	0.292	45.252		24.57
23749	CG2	VAL		700	-82.323	-2.091	45.296	1.00	26.35
23750 23751	C 0	VAL		700 700	-79.419 -79.240	-2.902 -3.190	44.905 46.069		25.77 25.50
23751	N	GLY	D	701	-79.240	-3.190	43.915	1.00	26.22
23753	CA	GLY	D	701	-78.559	-5.044	44.146	1.00	26.22
23754	C	GLY	D	701	-79.447	-6.124	44.743	1.00	26.80
23755	Ö	GLY		701	-78.981	-6.948	45.535		26.86
23756	N	VAL		702	-80.727	-6.127	44.413		26.80
			_		//			_ 100	,

FIGURE 3 QX

A	В	С	D	Е		F		G	H	I	J
23757	CA	VAL	D	702		-81.542	2	-7.235	44.879	1.00	27.14
23758	CB	VAL	D	702	-	-82.865	5	-6.825	45.543	1.00	27.17
23759	CG1	VAL	D	702		-82.988	3	-5.322	45.630	1.00	27.53
23760	CG2	VAL	D	702	-	-84.064	1	-7.518	44.885	1.00	27.60
23761	C	VAL	D	702		-81.731	L	-8.279	43.806	1.00	26.77
23762	0	VAL	D	702		-82.007		-7.965	42.649	1.00	27.38
23763	N	ASP	D	703		-81.519	9	-9.522	44.204	1.00	26.53
23764	CA	ASP	D	703		-81.709		10.650	43.329	1.00	27.21
23765	CB	ASP	D	703		-80.837		11.838	43.754	1.00	27.73
23766	CG		D	703		-80.774		12.911	42.670	1.00	28.68
23767	OD1	ASP	D	703		-81.055		14.081	42.993	1.00	30.69
23768	OD2	ASP		703		-80.499		12.661	41.465	1.00	25.48
23769	C	ASP	D	703		-83.169		11.052	43.358	1.00	26.90
23770	0	ASP	D	703		-83.814		11.018	44.407	1.00	27.76
23771	N	PHE	D	704		-83.688		11.420	42.199	1.00	
23772	CA	PHE	D	704		-85.078		11.811	42.067	1.00	25.30
23773	CB	PHE	D	704		-85.953		10.575	41.857	1.00	25.19
23774	CG	PHE	D	704		-85.616		-9.791	40.615	1.00	24.20
23775	CD1	PHE	D	704		-86.372		-9.940	39.462	1.00	23.72
23776	CE1	PHE	D	704		-86.070		-9.213	38.310	1.00	24.12
23777 23778	CZ CE2	PHE	D	704		-85.002 -84.252		-8.309	38.306 39.435	1.00	21.64
23779	CD2	PHE	D D	704		-84.252 -84.556		-8.150 -8.894	40.600		23.35
23780	C C	PHE	D	704		-85.166		12.718	40.866	1.00	
23781	0	PHE	D	704		-84.166		12.716	40.160		25.56
23782	N	GLN	D	705		-86.348		13.278	40.634		25.49
23783	CA	GLN	D	705		-86.545		14.123	39.478	1.00	25.80
23784	CB	GLN		705		-87.227		15.434	39.868	1.00	26.41
23785	CG	GLN	D	705		-86.449		16.305	40.838	1.00	31.23
23786	CD	GLN		705		-84.996		16.436	40.468	1.00	37.91
23787	OE1	GLN		705		-84.110		16.189	41.296		43.51
23788	NE2	GLN	D	705		-84.736		16.806	39.234	1.00	39.39
23789	С	GLN	D	705	-	-87.417	7 -	13.375	38.472	1.00	24.92
23790	0	GLN	D	705		-88.367	7 -	12.701	38.858	1.00	24.88
23791	N	ALA	D	706		-87.095		13.494	37.192	1.00	23.71
23792	CA	ALA	D	706		-87.899	- (12.868	36.155	1.00	23.59
23793	CB	ALA	D	706		-87.135	5 -	11.717	35.509	1.00	22.50
23794	C	ALA	D	706		-88.372		13.858	35.067	1.00	23.75
23795	0	ALA	D	706		-87.830) -	14.963	34.896	1.00	23.51
23796	N	MET	D	707		-89.393		13.443	34.336	1.00	
23797	CA	MET	D	707		-89.810		14.180	33.164	1.00	
23798	CB	MET	D	707		-90.678		15.378	33.533	1.00	23.25
23799	CG	MET	D	707		-91.241		16.082	32.322	1.00	
23800	SD	MET	D	707		-89.962		16.899	31.331		26.76
23801	CE	MET	D	707		-89.257		18.031	32.519		22.19
23802	С	MET	D	707		-90.606		13.275	32.259		22.67
23803	0	MET	D	707		-91.645		12.765	32.654	1.00	22.28
23804	N	TRP	D	708		-90.100		13.059	31.050	1.00	22.64
23805	CA	TRP	D	708		-90.846		12.327	30.044		22.61
23806	CB	TRP		708		-89.895			29.221		21.99
23807	CG	TRP	Ŋ	708	-	-89.120	, –	12.216	28.185	1.00	22.43

FIGURE 3 QY

A	В	С	D	Е	F		G	Н	I	J
23808	CD1	TRP	D	708	-89.5	96	-12.706	26.987	1.00	24.21
23809	NE1	TRP		708	-88.5		-13.382	26.324		23.29
23810	CE2	TRP		708	-87.4		-13.313	27.072		23.65
23811	CD2	TRP		708	-87.7		-12.594	28.245	1.00	
23812	CE3	TRP		708	-86.7		-12.429	29.190		21.74
23813	CZ3	TRP	D	708	-85.4		-12.934	28.929		22.63
23814	CH2	TRP		708	-85.2		-13.637	27.764		23.46
23815	CZ2	TRP		708	-86.1		-13.839	26.823		23.70
23816	C	TRP		708	-91.5		-13.377	29.151	1.00	22.38
23817	o	TRP	D	708	-91.0		-14.476	28.951	1.00	
23818	N	TYR		709	-92.7		-13.051	28.643	1.00	21.87
23819	CA	TYR		709	-93.4		-13.930	27.722		22.29
23820	CB	TYR		709	-94.8		-14.327	28.265		21.63
23821	CG	TYR	D	709	-94.6		-15.448	29.240	1.00	23.13
23822	CD1	TYR		709	-94.3		-16.730	28.809		23.03
23823	CE1	TYR	D	709	-94.1	81	-17.766	29.719	1.00	24.34
23824	CZ	TYR		709	-94.2		-17.511	31.064	1.00	24.60
23825	OH	TYR		709	-94.1		-18.520	31.982		23.02
23826	CE2	TYR	D	709	-94.5	90	-16.241	31.502	1.00	24.89
23827	CD2	TYR	D	709	-94.7	74	-15.219	30.596	1.00	23.35
23828	С	TYR	D	709	-93.5	97	-13.210	26.406	1.00	22.46
23829	0	TYR	D	709	-94.3	68	-12.263	26.268	1.00	22.19
23830	N	THR		710	-92.7		-13.612	25.478		23.10
23831	CA	THR		710	-92.6		-12.985	24.181	1.00	
23832	CB	THR	D	710	-91.7	15	-13.792	23.325	1.00	24.78
23833	OG1	THR	D	710	-90.4	18	-13.773	23.935	1.00	25.52
23834	CG2	THR	D	710	-91.5	23	-13.116	21.986	1.00	24.41
23835	С	THR	D	710	-94.0	07	-12.947	23.460	1.00	24.60
23836	0	THR	D	710	-94.6	01	-14.000	23.195	1.00	24.62
23837	N	ASP	D	711	-94.4	43	-11.733	23.132	1.00	25.02
23838	CA	ASP	D	711	-95.6	53	-11.486	22.346	1.00	25.41
23839	CB	ASP	D	711	-95.6	52	-12.268	21.029	1.00	25.30
23840	CG	ASP	D	711	-94.6	88	-11.684	20.013	1.00	27.89
23841	OD1	ASP	D	711	-94.5	01	-12.313	18.929	1.00	30.31
23842	OD2	ASP	D	711	-94.0	74	-10.600	20.202	1.00	27.02
23843	С	ASP	D	711	-96.9	57	-11.705	23.069	1.00	25.14
23844	0	ASP	D	711	-98.0	24	-11.540	22.468	1.00	24.79
23845	N	GLU	D	712	-96.8	93	-12.086	24.343	1.00	24.54
23846	CA	GLU	D	712	-98.1		-12.243	25.092	1.00	24.67
23847	CB	GLU	D	712	-97.9	45	-13.177	26.291	1.00	24.69
23848	CG	GLU	D	712	-97.6	97	-14.640	25.904	1.00	26.15
23849	CD	GLU	D	712	-98.8		-15.265	25.148	1.00	28.70
23850	OE1	GLU	D	712	-98.6		-15.605	23.955	1.00	32.99
23851	OE2	GLU		712	-99.9		-15.436	25.729	1.00	28.16
23852	C	GLU	D	712	-98.6		-10.871	25.525	1.00	
23853	0	GLU	D	712	-97.8		-9.908	25.710		24.40
23854	N	ASP		713	-99.9		-10.766	25.677		25.38
23855	CA	ASP	D	713	-100.5		-9.490	26.086		26.35
23856	CB	ASP		713	-101.7		-9.066	25.204	1.00	26.45
23857	CG	ASP		713	-102.9		-9.944	25.385	1.00	
23858	OD1	ASP	D	713	-103.9	43	-9.689	24.664	1.00	32.19

FIGURE 3 QZ

A	В	С	1	Э Е		F	G	H	I	J
23859	OD2	ASP	D	713	-1	103.044	-10.866	26.221	1 00	27.60
23860	C	ASP		713		100.891	-9.553	27.562		25.89
23861	Ö	ASP		713		100.273	-10.324	28.296		26.04
23862	N	HIS	D	714		01.868	-8.774	28.008	1.00	
23863	CA	HIS	D	714		102.177	-8.773	29.429		25.39
23864	CB	HIS	D	714		103.164	-7.671	29.790		24.41
23865	CG	HIS	D	714		03.016	-7.192	31.193		24.80
23866	ND1	HIS	D	714		101.806	-6.777	31.708		24.09
23867	CE1	HIS	D	714		101.964	-6.433	32.973	1.00	22.22
23868	NE2	HIS	D	714		103.232	-6.603	33.296	1.00	
23869	CD2	HIS	D	714		03.232	-7.090	32.206	1.00	25.30
23870	C	HIS	D	714		102.679	-10.104	29.948		25.99
23871	0	HIS		714		102.518	-10.104	31.123		26.72
23872	N	GLY	D	715		102.318	-10.911	29.076	1.00	26.76
23873	CA	GLY	D	715		103.277	-12.168	29.492		27.06
23874	C	GLY	D	715		103.800	-13.334	29.578	1.00	28.15
23875	Ö	GLY	D	715		102.034	-14.317	30.269		28.12
23876	N	ILE	D	716		103.109	-13.226	28.916		28.62
23877	CA	ILE		716		100.816	-14.350	28.828	1.00	29.13
23878	CB	ILE	D	716		-99.971	-14.350	30.096	1.00	29.10
23879	CG1	ILE	D	716		-99.493	-13.050	30.505	1.00	28.03
			D	716		-99.493 -98.224	-13.034			26.15
23880 23881	CD1 CG2	ILE	D	716		-98.224 -98.794	-13.034	31.308 29.879	1.00	26.30
23882	C	ILE	D	716		101.699	-15.567	28.663	1.00	30.53
23883	0	ILE		716		101.699	-16.553	29.377	1.00	30.93
23884	N	ALA		717		101.572	-15.488	27.676	1.00	31.90
23885	CA	ALA		717		102.561	-16.452	27.527	1.00	32.82
23886	CB	ALA		717		103.652	-15.701	27.359		32.77
23887	C	ALA		717		104.971	-17.466	26.411	1.00	33.53
23888	Ö	ALA		717		103.408	-18.345	26.225	1.00	34.26
23889	N	SER		718		104.237	-17.337	25.631	1.00	34.51
23890	CA	SER		718		102.414	-18.369	24.648	1.00	34.89
23891	CB	SER		718		102.149	-18.117	23.966	1.00	35.09
23892	OG	SER		718		100.813	-16.872	23.278	1.00	38.42
23893	C	SER		718		100.881	-19.699	25.406	1.00	34.66
23894	0	SER		718		102.136	-19.773	26.560	1.00	34.70
23895	N	SER		719		102.597	-20.754	24.763	1.00	34.70
23896	CA	SER		719		102.597	-22.033	25.429	1.00	33.70
23897	CB	SER		719		102.040	-23.106	24.485	1.00	33.70
23898	OG	SER		719		103.100	-24.340	25.165	1.00	35.36
	C	SER		719		103.222	-24.340	25.103		32.72
23899	0	SER		719		101.200	-22.419	27.119	1.00	32.72
23900	N			720		100.218	-22.252	25.175	1.00	31.69
		THR		720		-98.884		25.653		
23902 23903	CA	THR		720		-98.884 -97.878	-22.618 -22.741	24.491	1.00	31.34
23903	CB OG1	THR		720		-97.878 -97.765	-22.741	23.807		
									1.00	30.08
23905 23906	CG2 C	THR		720 720		-98.408 -98.321	-23.750 -21.702	23.417 26.751	1.00	31.67
23906		THR		720		-98.321 -97.699	-21.702	26.751	1.00	31.24
23907	O N	ALA		721		-97.699 -98.542	-22.181	26.632		30.79
23908	CA	ALA					-19.459		1.00	30.79
23909	CA	ALA	Ŋ	121	-	-91.983	-19.459	27.599	1.00	JU.03

FIGURE 3 RA

A	В	C	D	E	F	G	H	I	J
23910	СВ	ALA	ъ	721	00 060	-18.010	27.084	1.00	30.07
23910	C	ALA		721		-19.615	28.901	1.00	30.47
23911	0	ALA		721	-98.129		29.969	1.00	30.47
23912	N	HIS		722	-100.011		28.800	1.00	30.41
23913	CA	HIS		722	-100.011	-20.075	29.982	1.00	31.21
23914	CB	HIS		722	-100.831		29.581	1.00	31.42
23916	CG	HIS		722	-102.234		30.680	1.00	32.76
23917	ND1			722	-103.130	-20.045	31.721	1.00	34.01
23918	CE1	HIS		722	-104.335		32.537	1.00	34.22
23919	NE2	HIS		722			32.070	1.00	35.08
23920	CD2	HIS		722	-103.629		30.908	1.00	34.44
23921	C	HIS		722	-100.311	-21.270	30.771	1.00	31.02
23922	Ö	HIS		722	-100.170		32.002	1.00	31.48
23923	N	GLN		723	-100.019		30.077	1.00	30.29
23924	CA	GLN		723		-23.517	30.769	1.00	29.72
23925	CB	GLN	D	723		-24.737	29.836	1.00	29.79
23926	CG	GLN	D	723	-100.808		29.260	1.00	31.78
23927	CD	GLN	D	723	-100.717	-26.195	28.215	1.00	34.32
23928	OE1	GLN	D	723	-100.201	-27.290	28.495	1.00	36.17
23929	NE2	GLN	D	723	-101.196	-25.906	27.010	1.00	31.59
23930	C	GLN	D	723	-98.063	-23.233	31.296	1.00	28.87
23931	0	GLN	D	723	-97.680	-23.717	32.361	1.00	28.62
23932	N	HIS	D	724	-97.283	-22.482	30.531	1.00	28.25
23933	CA	HIS	D	724		-22.186	30.909	1.00	28.61
23934	CB	HIS	D	724		-21.579	29.730	1.00	28.69
23935	CG	HIS	D	724	-93.650	-21.580	29.904	1.00	29.79
23936	ND1		D	724		-20.699	30.738	1.00	29.17
23937	CE1	HIS		724		-20.935	30.687	1.00	29.96
23938	NE2	HIS	D	724		-21.936	29.850	1.00	29.22
23939	CD2	HIS		724		-22.354	29.344	1.00	30.80
23940	С	HIS		724		-21.298	32.152		28.58
23941	0	HIS		724	-94.914		32.987		28.75
23942	N	ILE		725	-96.655		32.293		28.58
23943	CA	ILE	D	725		-19.408	33.439		28.30
23944	CB	ILE		725	-97.407		33.204		28.22
23945	CG1	ILE		725 725		-17.107	34.359		26.66
23946	CD1 CG2	ILE		725	-97.987 -98.897	-15.800	34.259		23.69
23947	C	ILE	D	725		-18.358 -20.095	33.041 34.739	1.00	28.65
23948	Ö	ILE		725		-20.095	35.746	1.00	28.07
23950	И	TYR		726		-20.017	34.723		28.74
23951	CA	TYR		726	-98.563	-21.472	35.933		28.23
23952	CB	TYR		726		-21.975	35.803		28.51
23952	CG	TYR		726	-101.012		35.981	1.00	28.99
23954	CD1	TYR		726		-20.187	34.888	1.00	28.65
23955	CE1	TYR		726	-102.433		35.048		27.20
23956	CZ	TYR			-102.819		36.318		27.84
23957	OH	TYR		726	-103.729		36.494	1.00	26.17
23958	CE2	TYR		726	-102.326		37.420	1.00	27.71
23959	CD2			726	-101.417		37.250		28.75
23960	C			726		-22.560	36.336		28.21

FIGURE 3 RB

A	В	С	D	E	F	G	H	I	J
23961	0	TYR		726	-97.39				28.14
23962	N	THR		727	-96.90				28.24
23963	CA	THR		727	-95.90				28.34
23964	CB	THR		727	-95.45				28.52
23965	OG1	THR		727	-96.57				30.62
23966	CG2	THR		727	-94.52				27.79
23967	C	THR		727	-94.72			1.00	28.16
23968	0	THR		727	-94.26				28.00
23969	N	HIS	D	728	-94.24			1.00	28.34
23970	CA	HIS	D	728	-93.12				27.90
23971	CB	HIS		728	-92.70				27.93
23972	CG	HIS	D	728	-91.25				28.71
23973	ND1	HIS	D	728	-90.80				26.94
23974	CE1	HIS	D	728	-89.49				26.25
23975	NE2	HIS		728		-20.06			27.15
23976	CD2	HIS	D	728	-90.15				27.68
23977	C	HIS	D	728	-93.51				27.60
23978	0		D	728	-92.73				27.81
23979	N	MET	D	729	-94.73			1.00	27.20
23980	CA	MET	D	729	-95.14				27.30
23981	CB	MET	D	729	-96.46				27.41
23982	CG	MET	D	729	-96.35				27.80
23983	SD		D	729	-97.79				31.32
23984	CE	MET	D	729	-98.98				28.58
23985	C	MET	D	729	-95.23				27.58
23986	0	MET	D	729	-94.98				26.14
23987	N	SER		730		9 -22.42			28.27
23988	CA	SER		730	-95.76				29.26
23989	CB	SER		730	-96.46				
23990	OG	SER		730	-97.80			1.00	30.37
23991	C	SER		730	-94.41			1.00	29.27
23992	0	SER		730	-94.27				29.22
23993	N	HIS	D	731	-93.42			1.00	30.11
23994	CA	HIS	D	731	-92.05			1.00	31.48
23995	CB		D	731	-91.11			1.00	31.75
23996	CG	HIS	D	731	-91.16			1.00	36.02
23997	ND1	HIS	D	731	-91.33			1.00	40.04
23998	CE1	HIS	D	731	-91.33			1.00	41.67
23999	NE2	HIS	D	731	-91.17			1.00	39.65
24000	CD2	HIS	D	731	-91.06			1.00	38.27
24001	C	HIS	D	731	-91.55			1.00	31.01
24002	0	HIS	D	731	-90.97			1.00	31.43
24003	N	PHE	D	732	-91.79			1.00	30.94
24004	CA	PHE	D	732	-91.30			1.00	30.28
24005	CB	PHE	D	732	-91.69				29.78
24006	CG	PHE	D	732	-91.24			1.00	27.75
24007	CD1	PHE	D	732	-89.94			1.00	27.19
24008	CE1	PHE	D	732	-89.53			1.00	28.30
24009	CZ	PHE	D	732	-90.44				28.28
24010	CE2	PHE	D	732		4 -16.78			25.45
24011	CD2	PHE	D	732	-92.13	l -17.85	3 43.509	1.00	25.81

FIGURE 3 RC

A	В	С	D	E	F	G	H	I	J
24012	С	PHE	D	732	-91.851	-21.104	43.732	1.00	30.64
24013	0	PHE	D	732	-91.116	-20.985	44.717	1.00	30.47
24014	N	ILE	D	733	-93.158	-21.329	43.786	1.00	31.23
24015	CA	ILE	D	733	-93.880	-21.476	45.034	1.00	32.24
24016	CB	ILE	D	733	-95.393	-21.564	44.756	1.00	32.28
24017	CG1	ILE	D	733	-95.881	-20.241	44.184	1.00	33.24
24018	CD1	ILE	D	733	-95.741	-19.063	45.155	1.00	34.28
24019	CG2	ILE	D	733	-96.178	-21.875	46.030	1.00	31.60
24020	C	ILE	D	733	-93.393	-22.700	45.795	1.00	33.05
24021	0	ILE	D	733	-93.043	-22.584	46.960	1.00	33.10
24022	N	LYS	D	734	-93.366	-23.859	45.127	1.00	34.12
24023	CA	LYS	D	734	-92.894	-25.111	45.732	1.00	35.44
24024	CB	LYS		734	-92.634	-26.209	44.671	1.00	35.53
24025	CG		D	734	-93.742	-26.483	43.666	1.00	37.56
24026	CD		D	734	-94.685	-27.595	44.080	1.00	40.97
24027	CE	LYS	D	734	-94.023		43.982		41.85
24028	NZ	LYS	D	734		-30.045	43.641	1.00	42.68
24029	С		D	734	-91.569		46.411	1.00	35.69
24030	0	LYS		734	-91.380		47.579	1.00	35.50
24031	N	GLN		735		-24.283	45.636	1.00	36.31
24032	CA		D	735	-89.291	-23.998	46.081	1.00	37.37
24033	CB		D	735	-88.466		44.915	1.00	38.00
24034	CG	GLN		735	-87.112	-24.133	44.683	1.00	42.23
24035	CD	GLN	D	735	-86.882	-24.498	43.214	1.00	46.36
24036	OE1	GLN		735	-87.676	-24.120	42.353	1.00	49.07
24037	NE2		D	735	-85.804	-25.243	42.930	1.00	48.29
24038	C		D	735	-89.287	-23.048	47.280	1.00	37.22
24039	0	GLN		735	-88.546	-23.262	48.235	1.00	37.42
24040	N	CYS		736	-90.138	-22.027	47.249 48.348	1.00	36.65
24041	CA CB	CYS	D	736 736	-90.209 -91.071	-19.857		1.00	36.80
24042	SG	CYS	D D	736	-91.706		47.957 49.313	1.00	36.66
24043	C	CYS		736	-90.746	-21.720	49.617	1.00	36.81
24045	0		D	736	-90.331	-21.720	50.731	1.00	36.68
24046	N	PHE	D	737	-91.663	-22.669	49.436	1.00	36.64
24047	CA	PHE	D	737	-92.305	-23.362	50.541	1.00	36.62
24048	CB	PHE	D	737	-93.752	-23.694	50.182	1.00	35.97
24049	CG	PHE	D	737	-94.676	-22.524	50.260	1.00	34.35
24050	CD1	PHE		737	-94.253	-21.335	50.826	1.00	30.83
24051	CE1	PHE	D	737	-95.095	-20.256	50.904	1.00	28.86
24052	CZ	PHE	D	737	-96.377	-20.344	50.422	1.00	29.88
24053	CE2	PHE	D	737	-96.820	-21.523	49.838	1.00	30.99
24054	CD2	PHE	D	737	-95.968	-22.604	49.754	1.00	31.96
24055	С	PHE	D	737	-91.582	-24.653	50.887	1.00	37.46
24056	0	PHE	D	737	-91.996	-25.381	51.782	1.00	37.47
24057	N	SER	D	738		-24.949	50.165	1.00	38.74
24058	CA	SER	D	738	-89.768	-26.170	50.419	1.00	40.18
24059	CB	SER	D	738	-89.240	-26.211	51.858	1.00	39.94
24060	OG	SER	D	738	-88.089	-25.409	51.986	1.00	39.67
24061	C	SER		738		-27.390	50.153	1.00	41.31
24062	0	SER	D	738	-90.620	-28.342	50.937	1.00	41.36

FIGURE 3 RD

A	В	C	D	E		F	G	H	I	J
24063	N	LEU	D	739			-27.352	49.051		42.72
24064	CA	LEU	D	739		.192	-28.484	48.624		44.17
24065	CB	LEU		739		.565	-28.034	48.154		43.93
24066	CG	LEU		739		.462	-27.445	49.231		44.34
24067	CD1	LEU		739		.808	-27.149	48.641		44.64
24068	CD2	LEU		739		.583		50.404		45.57
24069	C	LEU		739		.507	-29.224	47.495	1.00	45.39
24070	0	LEU		739		.217	-28.656	46.445		45.92
24071	N	PRO	D	740	-91		-30.498	47.716	1.00	46.58
24072	CA	PRO		740		.596	-31.337	46.698	1.00	
24073	CB	PRO		740		.074	-32.527	47.508		47.54
24074	CG	PRO		740	-90		-32.109	48.972	1.00	48.06
24075	CD	PRO		740	-91		-31.223	48.974		46.94
24076	C	PRO		740		607	-31.811	45.662	1.00	47.45
24077	0	PRO	D	740	-92	.806	-31.592	45.868	1.00	47.85
24078	07	NAG	D.	1621	-115	658	-10.108	1.065	1.00	73.42
24079	C7	NAG	D.	1621	-115	.594	-9.096	0.380	1.00	72.75
24080	C8	NAG	D.	1621	-116	631	-8.018	0.445	1.00	73.32
24081	N2	NAG	D.	1621	-114	.567	-8.812	-0.414	1.00	71.98
24082	C2	NAG	D.	1621	-113	456	-9.726	-0.607	1.00	71.93
24083	C1	NAG	D.	1621	-112	.792	-10.113	0.713	1.00	70.01
24084	C3	NAG	D.	1621	-113	.935	-10.979	-1.334	1.00	72.45
24085	03	NAG	D.	1621	-114	.520	-10.646	-2.610	1.00	71.12
24086	C4	NAG	D.	1621	-112	.786	-11.977	-1.491	1.00	72.47
24087	04	NAG	D.	1621	-113	.351	-13.258	-1.775	1.00	72.94
24088	C5	NAG	D.	1621	-111	.914	-12.131	-0.238	1.00	72.76
24089	05	NAG	D.	1621	-111	628	-10.885	0.412	1.00	72.16
24090	C6	NAG	D.	1621	-110	.598	-12.825	-0.601	1.00	73.05
24091	06	NAG	D.	1621	-109	961	-13.377	0.560	1.00	72.80
24092	07	NAG	D.	2311	-143	.486	2.005	13.260	1.00	74.38
24093	C7			2311	-142		1.558	12.963	1.00	73.58
24094	C8	NAG	D.	2311	-142		0.199	12.336	1.00	73.63
24095	N2			2311	-141		2.274	13.096	1.00	71.98
24096	C2			2311	-141		3.609	13.680	1.00	70.62
24097	C1	NAG	D.	2311	-140	.106	3.832	14.614	1.00	67.00
24098	C3			2311	-141		4.679	12.596	1.00	70.50
24099	03			2311	-142		4.535	11.840	1.00	71.38
24100	C4			2311	-141		6.070	13.217	1.00	70.31
24101	04			2311	-141		7.052	12.181	1.00	70.47
24102	C5			2311	-140		6.171	14.219	1.00	69.91
24103	05			2311	-140		5.133	15.192	1.00	69.16
24104	C6			2311	-140		7.517	14.934	1.00	70.22
24105	06			2311	-141		7.570	15.854	1.00	70.09
24106	07			2411	-112		16.675	14.251	1.00	58.29
24107	C7			2411	-111		16.037	13.545		58.41
24108	C8			2411	-112		15.169	12.422	1.00	57.84
24109	N2			2411	-110		16.110	13.681	1.00	58.33
24110	C2			2411	-110		16.919	14.722	1.00	58.50
24111	C1	NAG			-109		16.035	15.770		55.27
24112	C3	NAG			-109		17.855	14.113		60.36
24113	03	NAG			-109		18.724	13.147		61.58
			2		100		10.,51	,,	1.00	

FIGURE 3 RE

A	В	С	D	Е		F	G	F	i	I	J
24114	C4	NAG	D2	411	-108.	359	18.664	15.	.225	1.00	61.57
24115	04	NAG			-107.		19.448		664	1.00	67.27
24116	C5	NAG			-107.		17.736		309		60.81
24117	05	NAG	D2	411	-108.	833	16.866	16.	793	1.00	58.82
24118	C6	NAG			-107.		18.518		490		60.30
24119	06	NAG	D2	411	-106.	648	17.593	18.	392	1.00	61.16
24120	07	NAG	D2	412	-102.	963	19.045	15.	946	1.00	79.63
24121	C7	NAG	D2	412	-103.	800	19.396	15.	139	1.00	78.83
24122	C8	NAG	D2	412	-103.	934	18.788	13.	771	1.00	79.00
24123	N2	NAG	D2	412	-104.	689	20.321	15.	489	1.00	78.34
24124	C2	NAG	D2	412	-105.	721	20.814	14.	606	1.00	78.56
24125	C1	NAG	D2	412	-107.	094	20.684	15.	246	1.00	76.22
24126	C3	NAG	D2	412	-105.	386	22.271	14.	309	1.00	79.46
24127	03	NAG	D2	412	-104.	278	22.311	13.	399	1.00	80.11
24128	C4	NAG	D2	412	-106.	553	23.048	13.	709	1.00	79.88
24129	04	NAG	D2	412	-106.	301	24.453	13.	835	1.00	80.18
24130	C5	NAG	D2	412	-107.	870	22.718	14.	397	1.00	79.65
24131	05	NAG	D2	412	-108.	051	21.305	14.	391	1.00	78.94
24132	C6	NAG	D2	412	-109.	038	23.397	13.	689	1.00	79.99
24133	06	NAG	D2	412	-109.	050	23.024	12.	305	1.00	80.18
24134	07	NAG	D2	931	-121.	810	14.605	-2.	718	1.00	80.29
24135	C7	NAG	D2	931	-121.	748	13.389	-2.	736	1.00	80.24
24136	C8	NAG			-122.		12.560		606	1.00	80.94
24137	N2	NAG			-120.		12.713		050	1.00	78.56
24138	C2	NAG	D2	931	-119.	878	13.395	-1.	190	1.00	77.00
24139	C1	NAG	D2	931	-119.		12.829		230	1.00	74.54
24140	C3	NAG			-118.		13.252		814	1.00	77.06
24141	03	NAG			-118.		14.006		035	1.00	77.42
24142	C4	NAG			-117.		13.711		852	1.00	76.73
24143	04	NAG			-116.		13.393		397	1.00	76.18
24144	C5	NAG			-117.		13.022		496	1.00	76.47
24145	05	NAG			-118.		13.321		025	1.00	76.20
24146	C6	NAG			-116.		13.547		462	1.00	76.51
24147	06	NAG			-116.		14.893		819	1.00	76.40
24148	07	NAG			-116.		16.951		963	1.00	62.90
24149	C7	NAG			-116.		17.154		869	1.00	62.34
24150	C8	NAG			-118.		17.287		684	1.00	61.90
24151	N2	NAG			-115.		17.361		789	1.00	61.79
24152	C2	NAG			-114.		17.254		909	1.00	61.67
24153	C1	NAG			-113.		16.496		730	1.00	57.43
24154	C3	NAG			-113.		18.612		.037	1.00	62.68
24155	03	NAG			-114.		19.283		188	1.00	63.18
24156	C4	NAG			-112.		18.387		208	1.00	63.31
24157	04	NAG			-111.		19.642		179	1.00	64.30
24158	C5	NAG			-111.		17.472		110		62.90
24159	05			331	-112.		16.260		023	1.00	62.27
24160	C6	NAG			-110.		17.098		394	1.00	63.76
24161 24162	06	NAG HOH		331	-110. -70.		15.863 -9.621		731	1.00	65.10
24162	0	HOH		2	-70.				378		19.43
24163	0	HOH		3	-34. -62.		-4.814 -2.336		.776	1.00	15.33
74T04	U	non	W	3	-62.	213	-2.336	02.	. //0	1.00	10.33

FIGURE 3 RF

24165	A	В	С	D	Е	F	G	H	I	J
24166 O HOH W 5 6 -52.287 -3.318 87.258 1.00 18.54 24168 O HOH W 6 -91.285 -16.061 25.538 1.00 22.18 24168 O HOH W 7 6 -91.285 -16.061 25.538 1.00 22.18 24168 O HOH W 8 -32.644 -5.923 92.690 1.00 22.16 1 24171 O HOH W 10 -95.846 -3.672 26.390 1.00 22.16 1 24171 O HOH W 10 -95.846 -3.672 26.390 1.00 22.16 1 24171 O HOH W 10 -95.846 -3.672 26.390 1.00 22.63 24172 O HOH W 11 -38.585 -8.808 81.793 1.00 32.07 24.77 24174 O HOH W 12 -131.539 3.310 49.749 1.00 24.07 24174 O HOH W 13 -89.602 -6.431 24.528 1.00 31.49 24175 O HOH W 14 -22.191 19.290 81.198 1.00 29.71 24176 O HOH W 15 -103.695 -7.177 26.708 1.00 29.71 24177 O HOH W 16 -48.011 -6.164 76.557 1.00 19.02 24178 O HOH W 17 -61.410 -18.972 74.744 1.00 17.60 24179 O HOH W 17 -61.410 -18.972 74.744 1.00 17.60 24178 O HOH W 10 -83.027 -8.609 67.599 1.00 25.69 24181 O HOH W 20 -83.027 -8.609 67.599 1.00 25.71 24183 O HOH W 21 -105.924 -19.170 40.951 1.00 25.71 24188 O HOH W 22 -79.666 -0.305 31.865 1.00 24.81 24188 O HOH W 22 -79.666 -0.305 31.865 1.00 24.81 24188 O HOH W 23 -70.178 -9.767 91.992 1.00 15.50 24188 O HOH W 24 -120.299 1.315 46.762 1.00 35.97 24188 O HOH W 25 -70.266 -0.305 31.865 1.00 24.81 24188 O HOH W 26 -126.417 -15.760 32.836 1.00 35.97 24189 O HOH W 27 -88.087 -4.550 25.498 1.00 19.45 24189 O HOH W 27 -88.087 -4.550 25.498 1.00 19.45 24189 O HOH W 30 -46.730 -46.399 91.00 19.66.01 24199 O HOH W 31 -98.497 -11.196 73.755 1.00 26.61 24199 O HOH W 33 -62.91 -12.333 84.142 1.00 25.87 24199 O HOH W 33 -62.91 -12.333 84.142 1.00 25.87 24199 O HOH W 34 -50.927 -6.839 93.390 1.00 26.68 24199 O HOH W 35 -70.656 -3.379 97.3593 1.00 24.21 24200 O HOH W 37 -70.656 -3.379 97.3593 1.00 24.21 24200 O HOH W 44 -53.377 -22.676 88.397 1.00 29.34 24200 O HOH W 44 -53.377 -22.676 88.397 1.00 29.34 24200 O HOH W 44 -53.377 -22.676 88.397 1.00 29.34 24200 O HOH W 44 -53.377 -22.676 88.397 1.00 29.34 24200 O HOH W 44 -53.377 -22.676 88.397 1.00 29.34 24200 O HOH W 44 -53.3504 8.2457 93.533 1.00 29.34 24200 O HOH W 45 -50.666 5.373 97.3593 1.00 29.35 24200 O HOH W 46 -	24165	0	нон	W	4	-105.925	-3.902	37.241	1.00	21.48
24168 0 HOH W 6 -91.285 -16.061 25.538 1.00 22.18 24168 0 HOH W 7 -33.478 6.291 87.322 1.00 21.61 24169 0 HOH W 8 -32.644 -5.923 92.690 1.00 16.83 24170 0 HOH W 9 -95.846 -3.672 26.390 1.00 22.63 24171 0 HOH W 10 -95.846 -3.672 26.390 1.00 22.63 24172 0 HOH W 11 -38.585 -8.808 81.793 1.00 22.03 24173 0 HOH W 12 -38.585 -8.808 81.793 1.00 22.03 24173 0 HOH W 12 -131.539 3.310 49.749 1.00 24.07 24174 0 HOH W 13 -69.602 -6.431 24.528 1.00 31.49 24175 0 HOH W 14 -22.191 19.290 81.198 1.00 22.02 24175 0 HOH W 16 -22.191 19.290 81.198 1.00 29.07 24176 0 HOH W 16 -22.191 19.290 81.198 1.00 29.07 24177 0 HOH W 17 -61.410 -18.972 74.744 1.00 17.60 24179 0 HOH W 17 -61.410 -18.972 74.744 1.00 17.60 24180 0 HOH W 20 -83.027 -8.609 67.599 1.00 25.69 24182 0 HOH W 21 -105.924 -19.170 40.951 1.00 25.69 24182 0 HOH W 21 -105.924 -19.170 40.951 1.00 25.69 24182 0 HOH W 22 -79.666 -0.305 31.865 1.00 24.81 24184 0 HOH W 23 -79.666 -0.305 31.865 1.00 24.81 24184 0 HOH W 23 -79.666 -0.305 31.865 1.00 24.81 24188 0 HOH W 23 -79.666 -0.305 31.865 1.00 24.81 24188 0 HOH W 23 -79.666 -0.305 31.865 1.00 24.81 24188 0 HOH W 23 -79.666 -0.305 31.865 1.00 25.89 24188 0 HOH W 23 -79.666 -0.305 31.865 1.00 25.89 24188 0 HOH W 23 -79.666 -0.305 31.865 1.00 25.89 24188 0 HOH W 23 -70.622 -9.077 46.909 1.00 15.85 24189 0 HOH W 26 -107.622 -9.077 46.909 1.00 15.85 24189 0 HOH W 30 -66.730 -8.233 84.956 1.00 25.43 24191 0 HOH W 30 -66.730 -8.233 84.956 1.00 25.43 24191 0 HOH W 31 -98.497 11.196 73.755 1.00 26.51 24193 0 HOH W 32 -71.620 -24.011 85.413 1.00 25.43 24199 0 HOH W 33 -70.656 -3.379 73.593 1.00 24.45 24199 0 HOH W 34 -70.866 -6.307 77.555 1.00 26.51 24200 0 HOH W 44 -53.357 -22.67 88.39 71.00 24.25 24200 0 HOH W 44 -53.357 -22.67 88.39 71.00 24.25 24200 0 HOH W 44 -53.357 -22.67 88.39 71.00 24.25 24200 0 HOH W 45 -93.574 -16.006 55.747 1.00 20.92 24200 0 HOH W 46 -53.564 8.307 77.622 88.341 1.00 25.55 24200 0 HOH W 47 -63.275 -0.369 56.47 71.00 20.93 24200 0 HOH W 47 -65.566 6.337 77.17 1.00 20.93 24200 0 HOH W 47 -65.566 6.307 77.74										
24168 O HOH W 7 7 -33.478 6.291 87.322 1.00 21.61 24170 O HOH W 8 -32.644 -5.923 92.690 1.00 12.63 24171 O HOH W 10 -95.846 -3.672 26.390 1.00 22.63 24173 O HOH W 11 -38.585 -8.808 81.793 1.00 22.03 24173 O HOH W 12 -35.885 -8.808 81.793 1.00 32.00 24173 O HOH W 12 -131.539 3.310 49.749 1.00 24.07 24174 O HOH W 13 -89.602 -6.431 24.528 1.00 31.49 24175 O HOH W 14 -22.191 19.290 81.198 1.00 29.71 24177 O HOH W 15 -103.695 -7.177 26.708 1.00 12.92 24178 O HOH W 16 -48.011 -6.164 76.557 1.00 19.02 24178 O HOH W 17 -61.410 -18.972 74.744 1.00 17.60 24179 O HOH W 19 -44.226 22.424 76.402 1.00 23.52 24180 O HOH W 19 -44.226 22.424 76.402 1.00 28.91 24181 O HOH W 20 -83.027 -8.609 67.599 1.00 25.69 24182 O HOH W 21 -105.924 -19.170 40.951 1.00 25.71 24183 O HOH W 22 -79.666 -0.305 31.865 1.00 23.052 24188 O HOH W 22 -79.666 -0.305 31.865 1.00 24.81 24188 O HOH W 23 -70.178 -9.767 91.982 1.00 15.50 24188 O HOH W 24 -120.299 1.315 46.762 1.00 32.98 24188 O HOH W 25 -726.417 -15.760 32.836 1.00 35.97 24189 O HOH W 26 -126.417 -15.760 32.836 1.00 35.97 24189 O HOH W 27 -88.087 -4.550 25.498 1.00 19.45 24189 O HOH W 27 -88.087 -4.550 25.498 1.00 19.45 24189 O HOH W 30 -46.730 -22.9 4.774 46.399 1.00 19.55 24189 O HOH W 31 -98.497 -11.196 73.755 1.00 24.81 24190 O HOH W 31 -98.497 -11.196 73.755 1.00 25.63 24191 O HOH W 33 -62.991 -12.333 84.142 1.00 25.43 24191 O HOH W 33 -62.991 -12.333 84.142 1.00 23.40 24191 O HOH W 34 -93.576 -10.091 93.90 1.00 26.68 24199 O HOH W 35 -77.628 -8.094 86.503 1.00 24.21 24190 O HOH W 36 -77.628 -8.094 86.503 1.00 29.21 24191 O HOH W 37 -77.628 -8.094 86.503 1.00 29.34 24200 O HOH W 40 -77.628 -8.094 86.503 1.00 23.40 24200 O HOH W 41 -68.908 -7.7097 74.899 91.00 25.69 24200 O HOH W 42 -93.574 -16.006 55.777 74.909 91.00 29.83 24201 O HOH W 44 -53.377 -22.676 88.347 1.00 2.03.40 24202 O HOH W 44 -53.377 -22.678 88.347 1.00 2.93.40 24203 O HOH W 45 -77.628 -8.094 86.503 1.00 29.21 24204 O HOH W 47 -63.275 -0.369 56.167 1.00 2.93.80 24205 O HOH W 47 -63.275 -0.369 56.167 1.00 2.93.40 24206 O										
24170 0 HOH W 8 -32.644 -5.923 92.690 1.00 16.83 24171 0 HOH W 10 -95.846 -3.672 26.390 1.00 22.63 24172 0 HOH W 11 -95.846 -3.672 26.390 1.00 22.63 24173 0 HOH W 11 -38.585 -8.808 81.793 1.00 22.63 24173 0 HOH W 12 -131.539 3.310 49.749 1.00 24.07 24174 0 HOH W 13 -95.646 1.039 81.793 1.00 24.07 24174 0 HOH W 13 -22.191 19.290 81.198 1.00 24.07 24175 0 HOH W 15 -22.191 19.290 81.198 1.00 29.17 24176 0 HOH W 15 -69.602 -7.177 26.708 1.00 23.52 24177 0 HOH W 16 -48.011 -6.164 76.557 1.00 19.02 24.07 24178 0 HOH W 17 -61.410 -18.972 74.744 1.00 17.60 24179 0 HOH W 18 -87.151 -5.568 66.326 1.00 30.46 24180 0 HOH W 20 -83.027 -8.609 67.599 1.00 25.91 24181 0 HOH W 20 -83.027 -8.609 67.599 1.00 25.51 24181 0 HOH W 22 -79.666 -0.303 31.865 1.00 24.81 24183 0 HOH W 22 -79.666 -0.303 31.865 1.00 24.81 24183 0 HOH W 22 -79.666 60.326 1.00 30.46 24180 0 HOH W 23 -70.178 -9.767 91.982 1.00 25.71 24183 0 HOH W 24 -120.299 1.315 46.762 1.00 28.89 124184 0 HOH W 25 -126.417 -15.760 32.836 1.00 24.81 24189 0 HOH W 26 -126.29 -0.077 46.909 1.00 19.86 24189 0 HOH W 27 -88.087 -4.550 2.598 1.00 19.86 24189 0 HOH W 28 -71.622 -9.077 46.909 1.00 19.86 24189 0 HOH W 30 -71.622 -9.077 46.909 1.00 19.86 24199 0 HOH W 30 -71.622 -9.077 49.909 1.00 19.86 24199 0 HOH W 31 -98.497 -11.198 5.11 1.00 25.87 24199 0 HOH W 33 -62.919 1.20 23.88 49.61 1.00 25.87 24199 0 HOH W 33 -62.919 1.20 23.89 4.344 33.892 1.00 20.74 24199 0 HOH W 33 -62.919 1.20 23.89 4.394 1.00 25.87 24199 0 HOH W 33 -70.656 -3.379 93.390 1.00 26.48 24199 0 HOH W 33 -70.656 -3.379 93.390 1.00 26.48 24199 0 HOH W 35 -70.656 -3.379 93.390 1.00 26.48 24200 0 HOH W 40 -77.638 -10.02 7.74 7.628 -10.90 7.3755 1.00 26.51 24290 0 HOH W 44 -53.375 -22.676 8.399 93.90 1.00 29.61 24200 0 HOH W 44 -53.375 -22.676 8.399 93.90 1.00 29.61 24200 0 HOH W 44 -63.275 -0.369 55.749 81.00 29.91 24200 0 HOH W 44 -63.275 -0.369 55.749 81.00 29.91 24200 0 HOH W 45 -60.051 -20.069 55.749 81.00 29.91 24200 0 HOH W 46 -33.560 8.269 8.348 1.00 29.99 24200 0 HOH W 47 -66.905 -20.279 7.638 8.399 1.00										
24171 0										
24171 O HOH W 10 -95.846 -3.672 26.390 1.00 22.63 24173 O HOH W 11 -38.585 -8.808 81.793 1.00 32.00 24173 O HOH W 12 -131.539 3.310 49.749 1.00 24.07 24174 O HOH W 13 -69.602 -6.431 24.528 1.00 31.49 24175 O HOH W 14 -22.191 19.290 81.198 1.00 29.71 24176 O HOH W 15 -69.602 -7.177 26.708 1.00 29.71 24176 O HOH W 15 -69.602 -7.177 26.708 1.00 29.71 24178 O HOH W 16 -48.011 -6.164 76.557 1.00 19.02 24179 O HOH W 17 -61.410 -18.972 74.744 1.00 17.60 24178 O HOH W 18 -87.151 -5.568 66.326 1.00 30.46 24180 O HOH W 20 -83.027 -8.609 67.599 1.00 25.69 24181 O HOH W 20 -83.027 -8.609 67.599 1.00 25.69 24182 O HOH W 21 -105.924 -19.170 40.951 1.00 25.71 24183 O HOH W 22 -79.666 -0.303 31.865 1.00 24.81 24184 O HOH W 23 -70.178 -97.67 91.982 1.00 15.50 24185 O HOH W 24 -120.299 1.315 46.762 1.00 38.88 24186 O HOH W 25 -126.417 -15.760 32.836 1.00 35.97 24187 O HOH W 26 -107.622 -9.077 46.909 1.00 19.86 24188 O HOH W 27 -88.087 -4.555 25.498 1.00 19.45 24199 O HOH W 30 -74.620 -9.077 49.999 1.00 19.86 24199 O HOH W 31 -98.497 -11.169 85.11 0.00 25.87 24199 O HOH W 31 -84.796 -6.839 93.30 1.00 26.01 24191 O HOH W 33 -62.091 -12.323 84.196 1.00 25.87 24199 O HOH W 33 -62.091 -12.323 84.196 1.00 25.87 24199 O HOH W 33 -62.091 -12.323 84.196 1.00 25.87 24199 O HOH W 33 -62.091 -12.323 84.196 1.00 25.87 24199 O HOH W 33 -60.991 -12.333 84.196 1.00 25.87 24199 O HOH W 34 -50.927 -6.839 93.30 1.00 26.48 24199 O HOH W 35 -70.656 -3.379 73.593 1.00 20.74 24190 O HOH W 36 -84.552 -6.501 19.825 1.00 24.45 24199 O HOH W 37 -71.606 -3.379 73.593 1.00 20.34 24200 O HOH W 44 -53.377 -22.667 85.437 1.00 29.91 24200 O HOH W 44 -53.377 -22.676 85.437 1.00 29.91 24201 O HOH W 44 -63.275 -0.369 55.749 81.00 29.91 24201 O HOH W 46 -33.566 8.275 -0.369 55.749 81.00 29.91 24201 O HOH W 47 -63.275 -0.369 55.749 1.00 29.91 24201 O HOH W 48 -60.051 -20.691 77.7432 1.00 29.91 24201 O HOH W 49 -63.275 -0.369 55.77 79.10 2.00 29.91 24201 O HOH W 49 -63.275 -0.369 55.77 79.10 2.00 29.91 24201 O HOH W 49 -63.275 -0.369 55.77 79.20 1.00 29.95										
24173 O HOH W 11 -38.585 -8.808 81.793 1.00 32.00 24174 O HOH W 12 -131.539 3.310 49.749 1.00 24.07 24174 O HOH W 12 -22.191 19.200 81.198 1.00 29.71 24175 O HOH W 15 -103.695 -7.177 26.708 1.00 23.52 24177 O HOH W 16 -48.011 -6.164 76.557 1.00 19.02 24178 O HOH W 17 -61.410 -18.972 74.744 1.00 17.60 24179 O HOH W 17 -61.410 -18.972 74.744 1.00 17.60 24180 O HOH W 19 -44.226 22.424 76.402 1.00 28.91 24181 O HOH W 20 -83.027 -8.609 67.599 1.00 25.69 24182 O HOH W 21 -105.244 -19.170 40.951 1.00 25.69 24183 O HOH W 22 -79.666 -0.305 31.865 1.00 24.81 24184 O HOH W 21 -105.244 -19.170 40.951 1.00 25.69 24185 O HOH W 22 -79.666 -0.305 31.865 1.00 24.81 24186 O HOH W 24 -120.299 1.315 46.762 1.00 32.88 24186 O HOH W 25 -126.417 -15.760 32.836 1.00 35.97 24188 O HOH W 26 -126.422 -9.9170 46.990 1.00 19.55 24188 O HOH W 27 -88.087 -4.550 25.498 1.00 19.45 24189 O HOH W 28 -82.329 4.431 33.892 1.00 15.50 24189 O HOH W 29 -71.620 -24.011 85.413 1.00 25.43 24191 O HOH W 30 -62.303 84.956 1.00 25.43 24191 O HOH W 31 -98.497 -11.196 73.755 1.00 26.51 24193 O HOH W 31 -98.497 -11.196 73.755 1.00 26.51 24194 O HOH W 33 -62.091 -12.323 84.142 1.00 25.43 24195 O HOH W 33 -62.091 -12.323 84.142 1.00 25.43 24191 O HOH W 33 -62.091 -12.323 84.196 1.00 25.43 24199 O HOH W 37 -71.620 -24.011 85.413 1.00 25.43 24191 O HOH W 30 -66.56 -3.379 73.593 1.00 26.48 24199 O HOH W 37 -67.1620 -24.011 85.413 1.00 25.43 24191 O HOH W 30 -66.56 -3.379 73.593 1.00 26.48 24199 O HOH W 37 -71.620 -24.011 85.413 1.00 25.43 24191 O HOH W 30 -66.56 -3.379 73.593 1.00 20.45 24200 O HOH W 37 -71.620 -24.011 85.413 1.00 25.43 24199 O HOH W 37 -71.600 -72.791 74.890 1.00 33.00 24201 O HOH W 40 -73.628 -8.094 86.503 1.00 19.00 24200 O HOH W 40 -73.628 -8.094 86.503 1.00 24.01 24200 O HOH W 41 -68.906 -72.792 76.899 73.593 1.00 20.18 24201 O HOH W 42 -73.574 -16.006 55.747 1.00 2.03 24202 O HOH W 44 -53.377 -22.67 58.37 71.00 2.92 24203 O HOH W 45 -72.348 7.997 74.856 1.00 23.30 24204 O HOH W 46 -73.504 8.207 77.792 77.792 77.00 20.92 24204 O HOH W 47 -72.										
24173 O HOH W 12 -131.539 3.310 49.749 1.00 24.07 24175 O HOH W 13 -69.602 -6.431 24.528 1.00 31.49 24175 O HOH W 15 -22.191 19.290 81.198 1.00 29.71 24176 O HOH W 16 -22.191 19.290 81.198 1.00 29.71 24177 O HOH W 16 -48.011 -6.164 76.557 1.00 19.02 24178 O HOH W 17 -61.410 -18.972 74.744 1.00 17.60 24178 O HOH W 18 -87.151 -5.566 66.326 1.00 30.46 24180 O HOH W 19 -44.226 22.424 76.402 1.00 28.91 24181 O HOH W 20 -83.027 -8.609 67.599 1.00 25.59 24182 O HOH W 21 -105.924 -19.170 40.951 1.00 25.71 24183 O HOH W 22 -79.666 -0.305 31.865 1.00 24.81 24184 O HOH W 22 -79.666 -0.305 31.865 1.00 24.81 24185 O HOH W 24 -120.299 1.315 46.762 1.00 32.89 24186 O HOH W 25 -126.417 -15.760 32.836 1.00 35.97 24187 O HOH W 26 -107.622 -9.077 46.909 1.00 19.86 24188 O HOH W 27 -88.087 -4.550 25.498 1.00 19.45 24189 O HOH W 29 -71.620 -24.011 85.413 1.00 25.87 24190 O HOH W 30 -46.730 -82.33 84.956 1.00 25.87 24191 O HOH W 31 -98.497 -11.196 73.755 1.00 26.01 24194 O HOH W 33 -62.091 -12.323 84.142 1.00 25.87 24199 O HOH W 33 -62.091 -12.323 84.142 1.00 25.87 24199 O HOH W 33 -62.091 -12.333 84.196 1.00 25.87 24199 O HOH W 33 -66.091 -12.333 84.196 1.00 25.87 24199 O HOH W 33 -60.991 -12.333 84.196 1.00 25.87 24199 O HOH W 33 -76.68 -5.170 18.974 1.00 26.01 24199 O HOH W 34 -94.791 -11.99 86.503 1.00 24.45 24199 O HOH W 37 -76.38 -77.656 -3.379 73.593 1.00 26.18 24199 O HOH W 37 -76.68 -6.5170 88.994 1.00 29.61 24190 O HOH W 37 -76.68 -6.5170 88.994 1.00 23.40 24200 O HOH W 40 -77.628 -8.094 86.503 1.00 23.40 24201 O HOH W 41 -68.908 -6.239 88.900 1.00 26.48 24203 O HOH W 42 -93.754 -16.006 55.747 1.00 20.93 24204 O HOH W 44 -68.275 -0.369 55.479 77.4856 1.00 23.34 24201 O HOH W 44 -68.275 -0.369 55.479 77.00 29.91 24202 O HOH W 44 -63.275 -0.369 55.479 77.00 29.91 24203 O HOH W 45 -67.626 8.908 -6.239 88.900 1.00 20.06 24204 O HOH W 46 -63.256 8.908 -6.239 88.900 1.00 20.06 24203 O HOH W 47 -63.275 -0.369 55.479 1.00 29.91 24204 O HOH W 48 -60.556 6.333 77.122 26.00 1.00 29.91 24204 O HOH W 49 -60.256 6.802 88.348 1.00 25.55										
24176 0 HOH W 13 -98.602 -6.431 24.528 1.00 31.49 24177 0 HOH W 15 -103.695 -7.177 26.708 1.00 23.52 24177 0 HOH W 16 -48.011 -6.164 76.557 1.00 19.02 24178 0 HOH W 17 -61.410 -18.972 74.744 1.00 17.60 24179 0 HOH W 18 -87.151 -5.568 66.326 1.00 30.46 24180 0 HOH W 19 -44.226 22.424 76.402 1.00 28.91 24181 0 HOH W 20 -83.027 -8.609 67.599 1.00 25.69 24182 0 HOH W 21 -105.924 -19.170 40.951 1.00 25.69 24183 0 HOH W 21 -105.924 -19.170 40.951 1.00 25.69 24184 0 HOH W 22 -79.666 -0.305 31.865 1.00 24.81 24185 0 HOH W 23 -79.666 -0.305 31.865 1.00 24.81 24186 0 HOH W 23 -79.666 -0.305 31.865 1.00 25.59 24187 0 HOH W 24 -120.299 1.315 46.762 1.00 15.50 24188 0 HOH W 25 -126.417 -15.760 32.836 1.00 35.97 24188 0 HOH W 26 -126.422 -9.077 46.909 1.00 19.86 24189 0 HOH W 27 -88.087 -4.550 25.498 1.00 19.45 24189 0 HOH W 28 -82.329 4.434 33.892 1.00 19.45 24191 0 HOH W 30 -64.730 -8.233 84.956 1.00 25.43 24191 0 HOH W 31 -98.497 11.196 73.755 1.00 26.51 24193 0 HOH W 32 -87.168 -5.170 18.974 1.00 25.43 24194 0 HOH W 31 -89.497 11.196 73.755 1.00 26.51 24193 0 HOH W 32 -87.168 -5.170 18.974 1.00 25.43 24199 0 HOH W 31 -89.497 11.196 73.755 1.00 26.51 24199 0 HOH W 32 -87.168 -5.170 18.974 1.00 23.87 24199 0 HOH W 33 -62.091 -12.323 84.142 1.00 23.87 24199 0 HOH W 37 -87.168 -5.170 18.974 1.00 24.45 24199 0 HOH W 37 -71.620 -24.011 85.413 1.00 25.43 24199 0 HOH W 30 -66.506 -3.379 73.593 1.00 24.45 24199 0 HOH W 31 -89.497 -11.196 73.755 1.00 26.51 24199 0 HOH W 32 -87.168 -5.170 18.974 1.00 26.91 24200 0 HOH W 37 -71.620 -24.011 85.43 1.00 25.43 24199 0 HOH W 37 -71.620 -24.011 85.43 1.00 25.43 24199 0 HOH W 34 -80.394 1.00 1.00 24.45 24200 0 HOH W 44 -53.350 8.803 1.00 1.00 24.45 24200 0 HOH W 44 -53.3504 8.245 79.353 1.00 24.05 24200 0 HOH W 44 -53.377 -22.267 85.437 1.00 2.0.92 24200 0 HOH W 44 -60.515 -20.691 77.499 1.00 2.0.92 24200 0 HOH W 47 -63.275 -0.369 56.477 1.00 2.0.92 24200 0 HOH W 48 -60.515 -20.691 77.499 1.00 2.0.93 24201 0 HOH W 49 -70.326 16.802 88.348 1.00 29.49										
24176 O HOH W 1422.191 19.290 81.198 1.00 29.71 24176 O HOH W 15103.695 -7.177 26.708 1.00 23.52 24177 O HOH W 1648.011 -6.164 76.557 1.00 19.02 24178 O HOH W 1687.151 -5.568 66.326 1.00 33.46 24180 O HOH W 1944.226 22.424 76.402 1.00 28.91 24181 O HOH W 2083.027 -8.609 67.599 1.00 25.69 24182 O HOH W 21105.924 -19.170 40.951 1.00 25.71 24183 O HOH W 21105.924 -19.170 40.951 1.00 25.71 24183 O HOH W 2279.666 -0.305 31.865 1.00 24.81 24184 O HOH W 2279.666 -0.305 31.865 1.00 24.81 24184 O HOH W 2370.178 -9.767 91.992 1.00 15.50 24.185 O HOH W 24 -120.299 1.315 46.762 1.00 32.84 24185 O HOH W 25126.417 -15.760 32.836 1.00 35.97 24187 O HOH W 26126.417 -15.760 32.836 1.00 35.97 24187 O HOH W 2788.087 -4.550 25.498 1.00 19.45 24189 O HOH W 2788.087 -4.550 25.498 1.00 19.45 24190 O HOH W 3046.730 -82.23 84.556 1.00 25.87 24190 O HOH W 3046.730 -82.23 84.556 1.00 25.87 24192 O HOH W 3198.497 -11.196 73.755 1.00 26.51 24194 O HOH W 3362.91 -12.23 84.142 1.00 25.87 24199 O HOH W 3362.91 -12.63 84.142 1.00 23.87 24199 O HOH W 3362.91 -12.63 84.142 1.00 23.60 124194 O HOH W 3587.666 -3.30 8.30 30 1.00 26.48 24199 O HOH W 3687.666 -3.30 8.233 84.142 1.00 23.60 124194 O HOH W 3788.097 -11.196 93.30 1.00 26.48 24199 O HOH W 3776.28 -8.094 93.390 1.00 26.48 24199 O HOH W 3776.56 -3.379 73.593 1.00 26.18 24199 O HOH W 3776.56 -3.379 73.593 1.00 26.48 24199 O HOH W 3776.56 -3.379 73.593 1.00 26.48 24200 O HOH W 3776.38 -62.39 84.900 1.00 30.06 24200 O HOH W 4453.762 8.8094 79.353 1.00 24.21 24202 O HOH W 4453.377 -22.67 88.397 1.00 24.95 24200 O HOH W 4453.750 8.8097 74.856 1.00 23.30 24201 O HOH W 4633.504 8.245 79.353 1.00 24.21 24202 O HOH W 4763.275 -0.369 55.474 1.00 2.934 24200 O HOH W 4860.051 -20.691 77.432 1.00 29.91 24200 O HOH W 4963.275 -0.369 55.474 1.00 2.934 24200 O HOH W 4860.551 -20.691 77.432 1.00 29.91 24200 O HOH W 4963.2650 8.398 81.00 24.21 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1										
24178 0 HOH W 15 -103.695 -7.177 26.708 1.00 23.52 24178 0 HOH W 16 -44.011 -6.164 76.557 1.00 19.02 24178 0 HOH W 17 -61.410 -18.972 74.744 1.00 17.60 24179 0 HOH W 18 -67.515 -558 6.326 1.00 30.46 24180 0 HOH W 19 -44.226 22.424 76.402 1.00 28.91 24181 0 HOH W 20 -63.027 -8.609 67.599 1.00 25.69 24182 0 HOH W 21 -105.924 -19.170 40.951 1.00 25.69 24183 0 HOH W 22 -79.666 -0.305 31.665 1.00 24.81 24184 0 HOH W 23 -79.666 -0.305 31.665 1.00 24.81 24185 0 HOH W 23 -79.666 -0.305 31.665 1.00 24.81 24186 0 HOH W 23 -79.666 -0.305 31.665 1.00 24.81 24187 0 HOH W 26 -126.417 -15.760 32.836 1.00 35.97 24188 0 HOH W 27 -88.087 -4.550 25.498 1.00 19.45 24189 0 HOH W 27 -88.087 -4.550 25.498 1.00 19.45 24189 0 HOH W 28 -82.329 4.434 33.892 1.00 20.74 24190 0 HOH W 30 -66.730 -8.233 84.956 1.00 25.43 24191 0 HOH W 30 -66.730 -8.233 84.956 1.00 25.43 24191 0 HOH W 31 -98.497 -11.196 73.755 1.00 26.51 24193 0 HOH W 32 -87.0668 -5.037 73.593 1.00 26.48 24194 0 HOH W 33 -62.091 -12.323 84.142 1.00 23.87 24195 0 HOH W 34 -50.927 -6.839 3.390 1.00 26.48 24196 0 HOH W 35 -70.656 -3.379 73.593 1.00 26.48 24199 0 HOH W 37 -117.602 -11.619 43.383 1.00 29.45 24199 0 HOH W 36 -84.552 -6.501 19.825 1.00 24.45 24199 0 HOH W 37 -117.602 -11.619 43.383 1.00 29.44 24200 0 HOH W 37 -117.605 -3.379 73.593 1.00 26.48 24199 0 HOH W 37 -71.620 -12.323 84.142 1.00 23.87 24199 0 HOH W 37 -71.620 -72.339 84.940 1.00 20.34 24200 0 HOH W 41 -68.908 -6.239 89.490 1.00 29.2 24200 0 HOH W 42 -73.628 -8.094 86.503 1.00 29.42 24200 0 HOH W 44 -53.377 -22.267 85.437 1.00 24.95 24200 0 HOH W 44 -53.377 -22.267 85.437 1.00 24.95 24200 0 HOH W 44 -53.377 -22.67 85.437 1.00 24.95 24200 0 HOH W 44 -53.377 -22.67 85.437 1.00 24.95 24200 0 HOH W 45 -70.568 -70.369 56.47 1.00 20.92 24200 0 HOH W 46 -73.628 -8.094 86.503 1.00 29.49 24201 0 HOH W 47 -63.275 -0.369 56.47 1.00 20.34 24202 0 HOH W 48 -60.551 -20.691 77.499 1.00 29.92 24203 0 HOH W 49 -70.326 16.802 88.348 1.00 29.49 24204 0 HOH W 49 -70.508 -70.326 1.008 28.348 1.00 29.55										
24178 0 HOH W 16 -48.0111 -6.164 76.557 1.00 19.02 24178 0 HOH W 17 -61.1410 -18.972 74.744 1.00 17.600 24179 0 HOH W 18 -87.151 -5.568 66.326 1.00 30.46 724181 0 HOH W 20 -83.027 -8.609 67.559 1.00 25.69 24182 0 HOH W 21 -105.924 -19.170 40.551 1.00 25.71 24183 0 HOH W 22 -79.666 -0.305 31.865 1.00 24.81 24184 0 HOH W 22 -79.666 -0.305 31.865 1.00 24.81 24185 0 HOH W 23 -70.178 -9.767 91.962 1.00 15.50 24185 0 HOH W 24 -120.299 1.313 46.762 1.00 32.88 24185 0 HOH W 25 -126.417 -15.760 32.836 1.00 35.97 24187 0 HOH W 26 -126.417 -15.760 32.836 1.00 35.97 24187 0 HOH W 27 -88.087 -4.550 25.498 1.00 19.45 24189 0 HOH W 27 -88.087 -4.550 25.498 1.00 19.45 24189 0 HOH W 29 -71.620 -24.011 85.413 1.00 25.87 24199 0 HOH W 30 -46.730 -8.233 84.956 1.00 25.87 24199 0 HOH W 31 -98.497 -11.196 73.755 1.00 26.51 24193 0 HOH W 33 -62.091 -12.323 84.142 1.00 25.87 24199 0 HOH W 33 -62.091 -12.323 84.142 1.00 25.87 24199 0 HOH W 33 -62.091 -12.323 84.142 1.00 25.43 24199 0 HOH W 33 -62.091 -12.323 84.142 1.00 25.43 24199 0 HOH W 33 -62.091 -12.323 84.142 1.00 25.47 24199 0 HOH W 36 -67.636 -63.379 73.593 1.00 26.18 24199 0 HOH W 36 -66.656 -3.379 73.593 1.00 26.48 24199 0 HOH W 36 -66.656 -3.379 73.593 1.00 20.44 524199 0 HOH W 36 -64.550 -65.170 18.974 1.00 26.48 24199 0 HOH W 36 -68.550 -65.01 19.825 1.00 24.45 24199 0 HOH W 36 -76.666 -3.379 73.593 1.00 20.42 24200 0 HOH W 37 -76.68 -80.594 86.503 1.00 29.21 24200 0 HOH W 37 -77.638 -80.94 86.503 1.00 29.34 24200 0 HOH W 44 -53.377 -22.676 88.397 1.00 24.21 24200 0 HOH W 44 -53.377 -22.676 88.397 1.00 24.22 24200 0 HOH W 44 -53.377 -22.676 88.397 1.00 24.22 24200 0 HOH W 44 -53.377 -22.676 88.397 1.00 24.95 24200 0 HOH W 46 -33.504 8.245 79.353 1.00 24.21 24200 0 HOH W 47 -63.275 -0.369 55.747 1.00 2.99 24200 0 HOH W 48 -60.051 -20.691 77.499 1.00 2.99 1.22 24200 0 HOH W 49 -60.256 6.303 77.12 2.808 1.00 29.34 24200 0 HOH W 49 -60.256 6.303 77.12 2.808 1.00 29.34 24200 0 HOH W 49 -53.666 6.303 77.12 2.808 1.00 29.55										
24178 0 HOH W 17 -61.410 -18.972 74.744 1.00 17.60 24180 0 HOH W 18 -87.151 -5.568 66.326 1.00 30.46 24181 0 HOH W 20 -83.027 -8.609 67.599 1.00 25.69 24182 0 HOH W 21 -105.924 -19.170 40.951 1.00 25.69 24183 0 HOH W 22 -79.666 -0.305 31.665 1.00 24.81 24184 0 HOH W 23 -79.666 -0.305 31.665 1.00 24.81 24185 0 HOH W 23 -79.666 -0.305 31.665 1.00 24.81 24186 0 HOH W 23 -79.6766 -0.305 31.665 1.00 24.81 24187 0 HOH W 24 -120.299 1.315 46.762 1.00 15.50 24188 0 HOH W 25 -126.417 -15.760 32.836 1.00 35.99 24187 0 HOH W 26 -107.622 -9.077 46.909 1.00 19.86 24188 0 HOH W 27 -88.087 -4.550 25.498 1.00 19.45 24189 0 HOH W 28 -82.329 4.434 33.892 1.00 20.74 24190 0 HOH W 30 -46.730 -8.233 84.956 1.00 25.43 24191 0 HOH W 31 -98.497 -11.196 73.755 1.00 26.51 24193 0 HOH W 32 -87.696 -3.379 73.593 1.00 20.78 24193 0 HOH W 34 -50.927 -6.839 93.390 1.00 20.18 24194 0 HOH W 35 -62.091 -12.323 84.142 1.00 23.87 24195 0 HOH W 34 -50.927 -6.561 1.8974 1.00 26.91 24196 0 HOH W 35 -70.656 -3.379 73.593 1.00 20.18 24199 0 HOH W 36 -84.552 -7.066 -3.379 73.593 1.00 20.18 24199 0 HOH W 37 -117.602 -11.619 18.255 1.00 26.48 24199 0 HOH W 38 -77.633 -16.012 77.912 1.00 18.94 24200 0 HOH W 39 -77.628 -8.094 86.503 1.00 29.45 24200 0 HOH W 40 -77.628 -8.094 86.503 1.00 29.42 24200 0 HOH W 41 -68.908 -6.239 89.490 1.00 1.00 1.00 24200 0 HOH W 42 -93.574 -16.006 55.747 1.00 2.0.92 24200 0 HOH W 44 -53.377 -22.267 85.437 1.00 2.0.34 24201 0 HOH W 44 -53.377 -22.267 85.437 1.00 23.40 24202 0 HOH W 44 -53.377 -22.267 85.437 1.00 23.40 24203 0 HOH W 45 -70.380 8.08 6.239 89.490 1.00 30.40 24204 0 HOH W 46 -33.504 8.245 79.353 1.00 24.05 24205 0 HOH W 47 -63.275 -0.369 56.457 1.00 24.95 24206 0 HOH W 48 -60.515 -20.691 77.439 1.00 29.92 24207 0 HOH W 48 -60.515 -20.691 77.439 1.00 29.92 24208 0 HOH W 47 -63.275 -0.369 56.457 1.00 24.95 24209 0 HOH W 48 -60.515 -20.691 77.439 1.00 29.95 24200 0 HOH W 49 -70.326 1.602 83.848 1.00 29.49 24201 0 HOH W 50 -55.6466 5.933 79.743 1.00 25.55 24202 0 HOH W 47 -63.275 -0.369 56.467 1.00 25.95 24203 0 HOH W										
24180 O HOH W 18 - 97.151 - 5.568 66.326 1.00 30.46 24181 O HOH W 20 - 63.027 - 8.600 67.599 1.00 25.69 24182 O HOH W 21 - 105.924 - 19.170 40.951 1.00 25.71 24183 O HOH W 22 - 79.666 - 0.305 31.865 1.00 24.81 24184 O HOH W 23 - 70.178 - 9.767 91.962 1.00 125.71 24185 O HOH W 24 - 120.299 1.315 46.762 1.00 32.88 24186 O HOH W 25 - 126.417 - 15.760 32.836 1.00 32.83 24187 O HOH W 26 - 126.417 - 15.760 32.836 1.00 35.97 24188 O HOH W 27 - 126.417 - 15.760 32.836 1.00 35.97 24188 O HOH W 27 - 88.087 - 4.550 25.498 1.00 19.45 24189 O HOH W 28 - 82.329 4.434 33.892 1.00 19.45 24189 O HOH W 30 - 46.730 - 82.33 84.956 1.00 25.43 24191 O HOH W 30 - 46.730 - 82.33 84.956 1.00 25.43 24192 O HOH W 31 - 98.497 - 11.196 73.755 1.00 25.87 24193 O HOH W 31 - 87.168 - 51.70 18.974 1.00 26.01 24194 O HOH W 33 - 62.091 - 12.323 84.142 1.00 23.67 24195 O HOH W 33 - 62.091 - 12.323 84.142 1.00 23.67 24196 O HOH W 35 - 67.665 - 3.379 73.593 1.00 26.48 24197 O HOH W 36 - 84.552 - 6.501 19.825 1.00 24.45 24199 O HOH W 37 - 10.066 - 3.379 73.593 1.00 26.48 24199 O HOH W 37 - 10.066 - 3.379 73.593 1.00 26.48 24199 O HOH W 37 - 10.066 - 3.379 73.593 1.00 20.51 24199 O HOH W 37 - 68.552 - 6.501 19.825 1.00 24.45 24199 O HOH W 39 - 77.633 - 16.012 77.912 1.00 18.39 24201 O HOH W 39 - 77.633 - 16.012 77.912 1.00 18.39 24201 O HOH W 39 - 77.633 - 16.012 77.912 1.00 18.39 24201 O HOH W 40 - 37.628 - 8.094 86.503 1.00 19.00 24200 O HOH W 41 - 68.908 - 6.239 89.490 1.00 23.40 24201 O HOH W 42 - 93.574 - 16.006 55.747 1.00 2.0,34 24202 O HOH W 44 - 53.377 - 22.676 88.347 1.00 24.95 24203 O HOH W 45 - 77.638 - 8.094 79.777 71.00 2.9,32 24204 O HOH W 46 - 33.504 8.245 79.353 1.00 24.91 24205 O HOH W 47 - 63.275 - 0.369 55.477 1.00 2.0,34 24206 O HOH W 48 - 60.051 - 20.691 77.439 1.00 2.9,33 24211 O HOH W 49 - 103.083 - 7.671 22.880 1.00 2.9,34 24211 O HOH W 49 - 103.083 - 7.671 22.880 1.00 2.9,35										
24181 0										
24181 O HOH W 20 -83.027 -8.609 67.599 1.00 25.69 24182 O HOH W 21 -105.924 -19.170 40.951 1.00 25.61 24183 O HOH W 22 -79.666 -0.305 31.865 1.00 24.81 24185 O HOH W 24 -120.299 1.315 46.762 1.00 32.83 24186 O HOH W 25 -126.417 -15.760 32.836 1.00 35.97 24187 O HOH W 26 -126.417 -15.760 32.836 1.00 35.97 24188 O HOH W 27 -88.087 -4.550 25.498 1.00 10.945 24189 O HOH W 28 -82.329 4.443 33.892 1.00 25.43 24191 O HOH W 30 -46.730 -82.33 84.956 1.00 25.43 24192										
24182 O HOH W 21 -105.924 -19.170 40.951 1.00 25.71 24183 O HOH W 22 -79.666 -0.303 31.865 1.00 24.81 24185 O HOH W 23 -70.178 -9.767 91.982 1.00 15.50 24186 O HOH W 24 -120.299 1.315 46.762 1.00 32.888 24187 O HOH W 25 -126.417 -15.760 32.836 1.00 13.86 24188 O HOH W 27 -88.087 -4.550 25.498 1.00 19.86 24189 O HOH W 28 -82.329 44.34 33.992 1.00 20.74 24190 O HOH W 39 -71.620 -24.011 85.961 1.00 25.87 24192 O HOH W 31 -98.749 -11.196 73.755 1.00 26.51 24192										
24183 O HOH W 22 -79.666 -0.305 31.865 1.00 24.81 24185 O HOH W 23 -70.718 -9.767 91.982 1.00 15.50 24185 O HOH W 24 -120.299 1.315 46.762 1.00 32.88 24187 HOH W 25 -126.417-15.760 32.336 1.00 35.97 24188 HOH W 26 -107.622 -9.077 46.909 1.00 19.86 24189 HOH W 28 -82.329 4.434 33.892 1.00 20.74 24190 HOH W 28 -82.329 4.434 33.892 1.00 25.43 24191 O HOH W 30 -61.300 -8.233 84.956 1.00 25.43 24193 O HOH W 31 -87.168 -51.11.196 73.755 1.00 26.51 24193 O HOH W 32 -87.168 -51.79 73.593 1.00 26.51 24194 O HOH W <										
24188 0 HOH W 24 -70.178 -9.767 91.982 1.00 15.50 24186 0 HOH W 25 -7126.417 -15.760 32.836 1.00 32.88 24188 0 HOH W 26 -126.417 -15.760 32.836 1.00 35.97 24188 0 HOH W 26 -126.417 -15.760 32.836 1.00 35.97 24188 0 HOH W 27 -88.087 -4.550 25.498 1.00 19.45 24189 0 HOH W 28 -82.329 4.434 33.892 1.00 20.74 24191 0 HOH W 39 -71.620 -24.011 85.413 1.00 25.87 24192 0 HOH W 30 -46.730 -82.33 84.956 1.00 25.87 24193 0 HOH W 31 -98.497 -11.196 73.755 1.00 26.51 24194 0 HOH W 33 -62.91 -12.233 84.196 1.00 26.01 24195 0 HOH W 33 -62.91 -12.323 84.196 1.00 26.01 24194 0 HOH W 33 -62.91 -12.323 84.196 1.00 26.01 24197 0 HOH W 37 -65.96 -3.379 73.593 1.00 26.48 24198 0 HOH W 37 -60.927 -68.89 93.390 1.00 26.48 24199 0 HOH W 37 -11.166 33 84.142 1.00 23.87 24199 0 HOH W 37 -17.605 -3.379 73.593 1.00 26.48 24198 0 HOH W 37 -17.605 -3.379 73.593 1.00 26.48 24199 0 HOH W 37 -17.632 -16.012 77.912 1.00 18.39 24200 0 HOH W 37 -77.633 -16.012 77.912 1.00 18.39 24201 0 HOH W 40 -37.628 8.094 86.503 1.00 24.45 24200 0 HOH W 41 -68.908 -62.39 89.490 1.00 30.06 24200 0 HOH W 42 -93.574 -16.006 55.747 1.00 20.92 24204 0 HOH W 44 -53.377 -22.676 85.437 1.00 24.95 24203 0 HOH W 44 -53.377 -22.676 85.437 1.00 24.95 24204 0 HOH W 44 -53.377 -22.678 85.437 1.00 24.92 24203 0 HOH W 44 -53.377 -22.678 85.437 1.00 24.92 24204 0 HOH W 44 -53.377 -22.678 85.437 1.00 24.92 24205 0 HOH W 44 -53.377 -22.678 85.437 1.00 24.92 24206 0 HOH W 45 -93.574 -16.006 55.747 1.00 20.92 24207 0 HOH W 46 -33.504 8.245 79.353 1.00 23.40 24208 0 HOH W 47 -63.275 -0.369 56.167 1.00 20.93 24209 0 HOH W 48 -60.051 -20.691 77.432 1.00 29.91 24210 0 HOH W 48 -60.575 -20.691 77.432 1.00 29.91 24210 0 HOH W 48 -60.5275 -20.691 77.432 1.00 2.95.55 24210 0 HOH W 55 -55.646 5.935 84.874 1.00 25.55										
24185 O HOH W 24 -120.299 1.315 46,762 1.00 32.88 24187 O HOH W 25 -126,417 -15,760 32.836 1.00 32.986 24187 O HOH W 26 -107,622 -9.077 46.909 1.00 19.86 24188 O HOH W 28 -82.329 4.434 33.892 1.00 20.74 24190 O HOH W 29 -71.620 -24.011 85.413 1.00 25.43 24191 O HOH W 30 -46.730 -8.233 84.956 1.00 25.43 24192 O HOH W 30 -46.730 -8.233 84.956 1.00 25.43 24193 O HOH W 31 -87.168 5.170 18.974 1.00 26.61 24195 O HOH W 32 -87.168 5.170 18.974 1.00 26.61 24195										
24186 O HOH W 25 -126.417 -15.760 32.836 1.00 35.97 24187 O HOH W 26 -107.622 -9.077 46.909 1.00 19.86 24188 O HOH W 27 -88.087 -4.550 25.488 1.00 19.45 24189 O HOH W 29 -71.620 -24.011 85.413 1.00 25.43 24191 O HOH W 30 -46.730 -82.23 84.956 1.00 25.87 24193 O HOH W 31 -98.497 -11.196 73.755 1.00 25.57 24193 O HOH W 31 -98.797 -11.196 73.755 1.00 26.51 24194 O HOH W 33 -62.991 -12.233 84.142 1.00 26.01 24195 O HOH W 33 -62.991 -12.233 84.142 1.00 26.01 24195 O HOH W 33 -62.991 -12.233 84.142 1.00 26.48 24196 O HOH W 35 -70.656 -3.379 73.593 1.00 26.48 24199 O HOH W 37 -117.602 -11.69 43.383 1.00 29.										
24187 O HOH W 26 -107.622 -9.077 46.909 1.00 19.86 24188 O HOH W 28 -82.329 4.434 33.892 1.00 20.74 24190 O HOH W 29 -71.620 -24.011 85.413 1.00 25.43 24191 O HOH W 30 -63.730 -82.33 84.956 1.00 25.54 24192 O HOH W 31 -98.497 -11.196 73.755 1.00 26.51 24193 O HOH W 32 -87.168 -5.170 18.974 1.00 26.51 24195 O HOH W 32 -87.168 -5.170 18.974 1.00 26.51 24195 O HOH W 33 -50.927 -6.839 93.390 1.00 26.48 24196 O HOH W 35 -70.656 -3.379 73.593 1.00 20.18 24198 O HOH W 37 -117.602 -11.619 43.383 1.00 29.45										
24188 0 HOH W 27 -88.087 -4.550 25.498 1.00 19.45 24189 0 HOH W 28 -22.29 4.434 33.892 1.00 20.74 24190 0 HOH W 30 -71.620 -24.011 85.413 1.00 25.43 24191 0 HOH W 30 -46.730 -8.233 84.356 1.00 25.87 24193 0 HOH W 31 -98.497 -11.196 73.755 1.00 26.51 24193 0 HOH W 32 -87.168 -5.170 18.974 1.00 26.01 24194 0 HOH W 33 -62.091 -12.323 84.142 1.00 23.87 24195 0 HOH W 34 -50.927 -68.839 93.390 1.00 26.48 24196 0 HOH W 35 -70.656 -3.379 73.593 1.00 20.451 24199 0 HOH W 36 -84.552 -6.501 19.825 1.00 24.45 24198 0 HOH W 37 -11.106 1.00 23.87 24199 0 HOH W 39 -77.633 -16.02 1.00 19.00 24200 0 HOH W 39 -77.633 -16.02 17.7912 1.00 18.39 24201 0 HOH W 30 -37.628 -8.094 86.503 1.00 19.00 24201 0 HOH W 40 -37.628 -8.094 86.503 1.00 24.21 24202 0 HOH W 41 -68.908 -6.239 89.490 1.00 30.06 24203 0 HOH W 42 -93.574 -16.006 55.747 1.00 20.34 24204 0 HOH W 44 -53.377 -22.267 85.437 1.00 24.32 24205 0 HOH W 44 -53.377 -22.267 85.437 1.00 24.32 24206 0 HOH W 44 -53.377 -22.67 85.437 1.00 24.92 24207 0 HOH W 44 -53.377 -22.67 85.437 1.00 24.92 24208 0 HOH W 44 -53.377 -22.67 85.437 1.00 24.92 24209 0 HOH W 47 -63.275 -0.369 56.167 1.00 20.34 24209 0 HOH W 48 -60.051 -20.691 77.439 1.00 29.38 24210 0 HOH W 48 -60.051 -20.691 77.439 1.00 29.38 24210 0 HOH W 49 -103.083 -7.671 22.880 1.00 29.38 24210 0 HOH W 49 -63.275 -0.369 56.167 1.00 20.34 24209 0 HOH W 49 -60.551 -20.691 77.439 1.00 29.83 24211 0 HOH W 51 -20.326 16.802 88.348 1.00 29.49 24210 0 HOH W 51 -20.326 16.802 88.348 1.00 29.555										
24189 O HOH W 28 -82.329 4.434 33.892 1.00 20.74 24191 O HOH W 29 -71.620 - 24.011 85.413 1.00 25.43 24191 O HOH W 30 -46.730 - 8.233 84.956 1.00 25.87 24192 O HOH W 31 -87.168 - 5.170 18.974 1.00 26.51 24194 O HOH W 32 -87.168 - 5.170 18.974 1.00 26.51 24195 O HOH W 34 -50.927 - 6.839 93.390 1.00 26.81 24196 O HOH W 34 -50.927 - 6.839 93.390 1.00 26.81 24197 O HOH W 36 -84.552 - 6.501 19.825 1.00 24.45 24198 O HOH W 37 -117.602 - 11.619 43.883 1.00 24.45 24200 O HOH W 38 -77.633 - 16.012 77.912 1.00 18.39 24201 O HOH W 40 -37.528 - 80.94										
24190 O HOH W 29 -71.620 - 24.011 85.413 1.00 25.43 24191 O HOH W 30 -67.30 - 8.233 84.956 1.00 25.87 24192 O HOH W 31 -98.497 - 11.196 73.755 1.00 26.51 24193 O HOH W 32 -82.091 - 12.323 84.142 1.00 26.61 24195 O HOH W 33 -62.091 - 12.323 84.142 1.00 23.67 24195 O HOH W 35 -70.656 - 3.379 73.593 1.00 26.48 24197 O HOH W 35 -70.656 - 3.379 73.593 1.00 20.45 24198 O HOH W 36 -70.656 - 3.379 73.593 1.00 20.45 24199 O HOH W 37 -117.602 - 11.619 43.383 1.00 20.44 24198 O HOH W 37 -117.602 - 11.619 43.383 1.00 29.1 24200 O HOH W 40 -37.628 - 8.094 86.503 <td></td>										
24191 O HOH W 30 -46.730 -8.233 84.956 1.00 25.87 24192 O HOH W 31 -98.497 -11.196 73.755 1.00 26.51 24193 O HOH W 32 -87.168 -5.170 18.974 1.00 26.51 24194 O HOH W 32 -67.168 -5.170 18.974 1.00 26.51 24195 O HOH W 34 -50.927 -6.839 93.390 1.00 26.48 24195 O HOH W 35 -50.927 -6.839 93.390 1.00 26.48 24196 O HOH W 35 -70.656 -3.379 73.593 1.00 26.18 24197 O HOH W 36 -84.552 -6.501 19.825 1.00 24.52 24199 O HOH W 37 -117.602 -11.619 43.383 1.00 29.61 24199 O HOH W 38 -109.448 -3.153 38.603 1.00 29.61 24200 O HOH W 39 -77.633 -16.012 77.912 1.00 18.39 24201 O HOH W 40 -37.628 -8.094 86.503 1.00 24.21 24202 O HOH W 41 -68.98 -6.239 89.490 1.00 30.06 24.21 24202 O HOH W 42 -93.574 -16.006 55.747 1.00 20.92 24204 O HOH W 43 -128.507 1.119 37.053 1.00 24.25 24204 O HOH W 44 -53.377 -22.267 85.437 1.00 24.95 24206 O HOH W 45 -27.348 7.997 74.856 1.00 33.09 24207 O HOH W 46 -33.504 8.245 79.553 1.00 24.95 24208 O HOH W 47 -63.275 -0.369 56.167 1.00 20.34 24209 O HOH W 48 -60.051 -20.691 77.339 1.00 29.03 24210 O HOH W 49 -60.515 -20.691 77.339 1.00 29.03 24210 O HOH W 48 -60.051 -20.691 77.339 1.00 29.03 24210 O HOH W 49 -60.505 -20.691 77.339 1.00 29.03 24210 O HOH W 49 -60.505 -20.691 77.339 1.00 29.03 24210 O HOH W 49 -60.505 -20.691 77.339 1.00 29.00 3.09 24210 O HOH W 49 -60.505 -20.691 77.339 1.00 29.00 3.09 24210 O HOH W 49 -60.505 -20.691 77.339 1.00 29.00 3.09 24210 O HOH W 50 -55.646 5.938 84.874 1.00 29.49 24211 O HOH W 50 -55.646 5.938 84.874 1.00 16.39 24211 O HOH W 50 -55.646 5.938 84.874 1.00 29.49 24211 O HOH W 50 -55.646 5.938 84.874 1.00 29.49 24211 O HOH W 50 -55.646 5.938 84.874 1.00 29.55										
24193 O HOH W 31 -98.497 -11.196 73.755 1.00 26.51 24193 O HOH W 32 -67.168 -5.170 18.974 1.00 26.01 24194 O HOH W 32 -67.091 -12.323 84.142 1.00 26.31 24195 O HOH W 34 -62.091 -12.323 84.142 1.00 23.87 24195 O HOH W 35 -70.656 -3.379 73.593 1.00 26.48 24196 O HOH W 35 -70.656 -3.379 73.593 1.00 20.18 24199 O HOH W 36 -84.552 -6.501 19.825 1.00 24.45 24199 O HOH W 37 -117.602 -11.619 43.383 1.00 29.61 24199 O HOH W 38 -71.602 -11.619 43.383 1.00 29.61 24200 O HOH W 39 -77.633 -16.012 77.912 1.00 18.39 24201 O HOH W 41 -68.908 -62.39 89.490 1.00 24.21 24202 O HOH W 41 -68.908 -62.39 89.490 1.00 20.42 12420 O HOH W 42 -93.574 -16.006 55.747 1.00 20.92 24204 O HOH W 44 -53.377 -22.267 85.437 1.00 24.95 24205 O HOH W 44 -53.377 -22.267 85.437 1.00 24.95 24206 O HOH W 45 -53.377 -22.267 85.437 1.00 24.95 24206 O HOH W 46 -53.504 8.245 79.353 1.00 24.00 24207 O HOH W 46 -53.504 8.245 79.353 1.00 24.00 24209 O HOH W 47 -63.275 -0.369 56.167 1.00 20.34 24209 O HOH W 48 -60.051 -20.691 77.439 1.00 29.34 24210 O HOH W 49 -103.083 -7.671 22.880 1.00 29.49 24210 O HOH W 51 -20.326 16.802 88.348 1.00 29.49 24212 O HOH W 51 -20.326 16.802 88.348 1.00 29.49 24213 O HOH W 51 -20.326 16.802 88.348 1.00 29.555										
24194 O HOH W 33 -62.091 -12.323 84.142 1.00 26.01 24195 O HOH W 34 -50.927 -68.839 93.390 1.00 26.48 24196 O HOH W 35 -70.656 -3.379 73.593 1.00 26.48 24197 O HOH W 35 -70.656 -3.379 73.593 1.00 20.18 24197 O HOH W 36 -84.552 -6.501 19.825 1.00 23.45 24198 O HOH W 37 -117.602 -11.619 43.833 1.00 29.61 24199 O HOH W 38 -109.448 -3.153 38.603 1.00 19.00 24.240 O HOH W 39 -77.633 -16.012 77.912 1.00 18.39 24201 O HOH W 40 -37.628 -8.094 86.503 1.00 24.25 24201 O HOH W 41 -53.376 28.29 89.90 1.00 20.06 24203 O HOH W 42 -93.574 -16.006 55.747 1.00 20.92 24204 O HOH W 42 -93.574 -16.006 55.747 1.00 20.93 24200 O HOH W 44 -53.377 -22.267 86.393 1.00 23.40 24205 O HOH W 44 -53.377 -22.267 86.393 1.00 23.40 24206 O HOH W 45 -53.504 8.245 79.353 1.00 23.40 24208 O HOH W 45 -63.259 87.925 71.00 24.92 24207 O HOH W 46 -53.504 8.245 79.353 1.00 23.40 24209 O HOH W 47 -63.275 -0.369 56.167 1.00 20.93 24200 O HOH W 48 -63.275 -0.369 56.167 1.00 20.93 24200 O HOH W 48 -66.051 -20.691 77.439 1.00 29.91 24210 O HOH W 49 -103.083 -7.671 22.880 1.00 23.40 24210 O HOH W 50 -55.646 5.935 84.874 1.00 10.991 24211 O HOH W 51 -20.326 16.802 88.348 1.00 29.555 24214 O HOH W 51 -20.326 16.802 88.348 1.00 29.555										
24194 O HOH W 33 -62.091 -12.323 84.142 1.00 23.87 24195 O HOH W 35 -62.091 -12.323 84.142 1.00 23.87 24196 O HOH W 35 -70.656 -3.379 73.593 1.00 20.18 24197 O HOH W 36 -64.552 -6.501 19.255 1.00 24.45 24198 O HOH W 37 -117.602 -11.619 43.383 1.00 29.61 24199 O HOH W 38 -109.448 -3.153 38.603 1.00 19.00 24200 O HOH W 39 -77.633 -16.012 77.912 1.00 18.39 24201 O HOH W 40 -37.628 -88.094 86.503 1.00 29.61 24202 O HOH W 41 -68.098 -6.239 89.490 1.00 30.06 24203 O HOH W 42 -93.574 -16.006 55.747 1.00 20.92 24204 O HOH W 43 -128.507 1.119 37.053 1.00 24.01 24204 O HOH W 44 -53.377 -22.267 85.437 1.00 24.95 24206 O HOH W 44 -53.377 -22.267 85.437 1.00 24.95 24206 O HOH W 45 -53.377 -22.267 85.437 1.00 24.95 24206 O HOH W 46 -33.504 8.245 79.353 1.00 24.05 24208 O HOH W 47 -63.275 -0.369 56.167 1.00 20.34 24209 O HOH W 48 -60.051 -20.691 77.439 1.00 29.03 24210 O HOH W 49 -103.083 -7.671 22.880 1.00 29.03 24211 O HOH W 50 -55.646 5.935 84.874 1.00 20.83 24212 O HOH W 51 -20.326 16.802 88.348 1.00 29.49 24213 O HOH W 51 -20.326 16.802 88.348 1.00 29.45 24213 O HOH W 52 -31.662 6.373 71.432 1.00 25.55										
24196 O HOH W 34 -50.927 -6.839 93.390 1.00 26.48 24196 O HOH W 35 -70.656 -3.379 73.593 1.00 26.48 24198 O HOH W 36 -644.552 -6.501 19.825 1.00 24.45 24199 O HOH W 38 -109.448 -3.153 38.603 1.00 29.61 24200 O HOH W 38 -109.448 -3.153 38.603 1.00 19.00 24200 O HOH W 40 -37.628 -8.094 86.503 1.00 24.25 24201 O HOH W 41 -53.628 -8.094 86.503 1.00 24.21 1.00 24.20 24202 O HOH W 41 -68.908 -6.239 89.490 1.00 30.06 24203 O HOH W 42 -93.574 -16.006 55.747 1.00 20.92 24204 O HOH W 43 -53.573 72.2267 88.494 1.00 24.25 24205 O HOH W 44 -53.377 -22.267 88.494 1.00 24.25 24205 O HOH W 44 -53.375 -22.676 88.497 1.00 24.92 24206 O HOH W 45 -53.504 8.245 79.353 1.00 23.40 24208 O HOH W 46 -53.504 8.245 79.353 1.00 23.40 24209 O HOH W 46 -63.2504 8.245 79.353 1.00 23.40 24208 O HOH W 47 -63.275 -0.369 56.167 1.00 20.93 24209 O HOH W 48 -60.051 -20.691 77.429 1.00 29.91 24210 O HOH W 48 -60.051 -20.691 77.429 1.00 29.91 24210 O HOH W 49 -103.083 -7.671 22.880 1.00 23.42 24211 O HOH W 50 -55.646 5.935 84.674 1.00 20.83 24211 O HOH W 51 -20.326 16.802 88.348 1.00 25.55 24214 O HOH W 53 -82.079 3.469 31.545 1.00 27.55										
24197 0 HOH W 35 -70.656 -3.379 73.593 1.00 22.018 24197 0 HOH W 36 -84.552 -6.501 19.825 1.00 24.451 24199 0 HOH W 38 -109.448 -3.153 36.603 1.00 19.00 24.21 24200 0 HOH W 40 -37.628 -80.094 86.503 1.00 19.00 24.21 24202 0 HOH W 40 -37.628 -80.094 86.503 1.00 29.61 24201 0 HOH W 40 -37.628 -80.094 86.503 1.00 29.61 0.00 10.30 0.06 24.20 0 HOH W 41 -68.098 -6.239 89.490 1.00 30.06 24.20 24.20 0 HOH W 42 -93.574 -16.006 55.747 1.00 20.92 24204 0 HOH W 43 -128.507 1.119 37.053 1.00 24.91 24205 0 HOH W 44 -53.377 -22.267 85.437 1.00 24.95 24206 0 HOH W 45 -27.348 7.987 74.856 1.00 33.09 24207 0 HOH W 46 -33.504 8.245 79.353 1.00 24.05 24208 0 HOH W 47 -63.275 -0.369 56.437 1.00 20.34 24208 0 HOH W 47 -63.275 -0.369 56.167 1.00 20.34 24209 0 HOH W 47 -65.051 20.691 77.439 1.00 29.03 24210 0 HOH W 48 -60.051 -20.691 77.439 1.00 29.03 24210 0 HOH W 49 -60.051 -20.691 77.439 1.00 29.03 24211 0 HOH W 50 -55.646 5.935 84.874 1.00 16.39 24212 0 HOH W 51 -20.326 16.802 88.348 1.00 29.49 24213 0 HOH W 52 -31.662 6.373 71.432 1.00 25.55										
24198 O HOH W 36 -84.552 -6.501 19.825 1.00 24.45 24198 O HOH W 37 -117.602 -11.619 43.383 1.00 29.61 24199 O HOH W 38 -109.448 -31.53 38.603 1.00 19.60 24201 O HOH W 39 -77.633 -16.012 77.912 1.00 18.39 24201 O HOH W 40 -37.628 -8.094 86.503 1.00 24.21 24202 O HOH W 41 -68.908 -6.239 89.40 1.00 30.06 24.21 24203 O HOH W 42 -93.574 -16.006 55.747 1.00 20.92 24204 O HOH W 43 -28.507 1.119 37.053 1.00 23.40 24205 O HOH W 44 -53.377 -22.267 88.437 1.00 24.92 24206 O HOH W 45 -53.367 2.02 67 88.437 1.00 24.92 24206 O HOH W 46 -53.504 8.245 79.353 1.00 23.40 24208 O HOH W 47 -63.275 -0.369 56.10 33.09 24.210 O HOH W 48 -60.515 -20.691 77.439 1.00 29.34 24209 O HOH W 48 -60.515 -20.691 77.439 1.00 29.34 24210 O HOH W 49 -103.083 -7.671 22.880 1.00 23.83 24211 O HOH W 51 -20.326 16.802 88.348 1.00 29.83 24211 O HOH W 51 -20.326 16.802 88.348 1.00 25.55										
24198 O HOH W 37 -117.602 -11.619 43.383 1.00 29.61 24200 O HOH W 38 -109.448 -3.153 38.603 1.00 19.00 24201 O HOH W 39 -77.633 -16.012 77.912 1.00 18.39 24201 O HOH W 40 -37.628 -8.094 86.503 1.00 24.21 24202 O HOH W 41 -68.908 -6.239 89.490 1.00 30.06 24202 O HOH W 42 -93.574 -16.006 55.747 1.00 20.92 24204 O HOH W 43 -128.507 1.119 37.053 1.00 23.40 24205 O HOH W 44 -53.377 -22.267 85.437 1.00 24.95 24206 O HOH W 45 -27.348 7.987 7.987 7.4566 1.00 33.09 24207 O HOH W 46 -33.504 8.245 79.553 1.00 24.05 24208 O HOH W 47 -63.275 -0.369 56.167 1.00 20.34 24209 O HOH W 48 -60.051 -20.691 77.439 1.00 29.03 24210 O HOH W 49 -60.551 -20.691 77.439 1.00 29.03 24211 O HOH W 50 -55.646 5.935 84.874 1.00 16.39 24211 O HOH W 50 -55.646 5.935 84.874 1.00 16.39 24213 O HOH W 52 -31.662 6.373 71.432 1.00 25.55										
24199 O HOH W 38 -109.448 -3.153 38.603 1.00 19.00 24201 O HOH W 39 -77.633 -16.012 77.912 1.00 18.39 24201 O HOH W 40 -37.628 -8.094 86.503 1.00 24.21 24202 O HOH W 41 -68.908 -6.239 89.490 1.00 30.06 24203 O HOH W 42 -93.574 -16.006 55.747 1.00 20.92 24204 O HOH W 43 -128.507 1.119 37.053 1.00 23.40 24205 O HOH W 44 -53.377 -22.267 85.437 1.00 24.95 24206 O HOH W 45 -53.3504 8.245 79.353 1.00 23.40 24208 O HOH W 46 -33.504 8.245 79.353 1.00 23.09 24207 O HOH W 47 -63.275 -0.369 56.167 1.00 20.93 24209 O HOH W 47 -63.275 -0.369 56.167 1.00 20.34 24209 O HOH W 48 -60.051 -20.691 77.439 1.00 29.35 24210 O HOH W 49 -103.083 -7.671 22.880 1.00 23.83 24211 O HOH W 50 -55.646 5.935 84.74 1.00 16.39 24212 O HOH W 51 -20.326 16.802 88.348 1.00 29.49 24213 O HOH W 51 -20.326 16.802 88.348 1.00 29.555 24214 O HOH W 53 -82.079 3.4662 6.373 71.432 1.00 25.55										
24200 O HOH W 39 -77.633 -16.012 77.912 1.00 18.39 24201 O HOH W 40 -37.628 -8.094 86.503 1.00 24.21 24202 O HOH W 41 -68.908 -6.239 89.490 1.00 24.21 24203 O HOH W 42 -93.574 -16.006 55.747 1.00 20.92 24204 O HOH W 43 -128.507 1.119 37.053 1.00 23.40 24206 O HOH W 45 -27.348 7.987 74.856 1.00 30.09 24207 O HOH W 46 -33.504 8.245 79.353 1.00 23.40 24209 O HOH W 47 -63.275 -0.369 55.167 1.00 20.34 24210 O HOH W 48 -60.051 -20.691 77.439 1.00 29.20 24210 O HOH W 49 -60.051 -20.691 77.439 1.00 29.91 24211 O <										
24201 O HOH W 40 -37.628 -8.094 86.503 1.00 24.21 24203 O HOH W 41 -68.998 -6.239 89.490 1.00 30.06 24203 O HOH W 42 -93.574 -16.006 55.747 1.00 20.92 24205 O HOH W 43 -53.377 -22.267 85.437 1.00 23.30 24206 O HOH W 44 -53.377 -22.267 85.437 1.00 24.93 24207 O HOH W 46 -33.504 8.245 79.355 1.00 23.10 24209 O HOH W 48 -60.515 -20.69 56.167 1.00 20.93 24210 O HOH W 49 -103.083 -7.671 22.880 1.00 20.83 24211 O HOH W 51 -20.326 16.802 88.348 1.00 20.83 24212 <td< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td<>										
24202 0 HOH W 41 -68.908 -6.239 89.490 1.00 30.06 24203 0 HOH W 42 -93.574 -16.006 55.747 1.00 20.92 24204 0 HOH W 43 -128.507 1.119 37.053 1.00 23.40 24205 0 HOH W 44 -53.377 -22.267 85.437 1.00 24.95 24206 0 HOH W 45 -27.348 7.987 74.856 1.00 33.09 24207 0 HOH W 46 -33.504 8.245 79.353 1.00 22.40 24208 0 HOH W 47 -63.275 -0.369 56.167 1.00 20.34 24209 0 HOH W 48 -60.051 -20.691 77.439 1.00 29.91 24210 0 HOH W 49 -103.083 7.671 22.880 1.00 22.92 24211 0 HOH W 50 -55.646 5.935 84.874 1.00 16.39 24212 0 HOH W 51 -20.326 16.802 88.348 1.00 29.49 24213 0 HOH W 52 -31.662 6.373 71.32 1.00 25.55 24214 0 HOH W 53 -82.079 3.469 31.545 1.00 27.19										
24203 O HOH W 42 -93.574 -16.006 55.747 1.00 20.92 24205 O HOH W 43 -128.507 1.19 37.053 1.00 23.402 24205 O HOH W 44 -53.377 -22.267 85.437 1.00 24.95 24207 O HOH W 46 -33.504 8.245 79.353 1.00 22.40 24208 O HOH W 47 -63.275 -0.369 55.167 1.00 20.34 24210 O HOH W 48 -60.051 -20.691 77.439 1.00 29.34 24211 O HOH W 50 -55.646 5.935 84.874 1.00 20.83 24212 O HOH W 50 -55.646 5.935 84.874 1.00 16.39 24212 O HOH W 50 -55.646 5.935 84.874 1.00 16.39 24213 O </td <td></td>										
24204 O HOH W 43 -1228.507 1.119 37.053 1.00 23.40 24205 O HOH W 44 -53.377 -22.267 85.437 1.00 24.95 24207 O HOH W 45 -27.348 7.987 74.856 1.00 33.09 24208 O HOH W 46 -33.504 8.245 79.353 1.00 22.40 24209 O HOH W 47 -63.275 -0.369 56.167 1.00 20.34 24210 O HOH W 48 -60.051 -20.691 77.439 1.00 29.91 24211 O HOH W 50 -55.646 5.935 84.874 1.00 16.39 24212 O HOH W 51 -20.326 16.802 88.338 1.00 29.49 24213 O HOH W 52 -31.662 6.373 71.432 1.00 29.55 24213 O HOH W 53 -82.079 3.469 31.545 1.00 27.19 </td <td></td>										
24205 O HOH W 44 -53.377 -22.267 85.437 1.00 24.95 24207 O HOH W 45 -27.348 7.987 74.856 1.00 33.09 24207 O HOH W 46 -33.504 8.245 79.353 1.00 22.40 24208 O HOH W 47 -63.275 -0.369 56.167 1.00 29.91 24210 O HOH W 48 -60.051 -20.691 77.439 1.00 29.91 24211 O HOH W 50 -55.646 5.938 84.874 1.00 16.39 24212 O HOH W 51 -20.326 16.802 88.348 1.00 29.49 24213 O HOH W 52 -31.662 6.373 71.432 1.00 25.55 24214 O HOH W 53 -82.079 3.469 31.545 1.00 27.95										
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$										
24207 O HOH W 46 -33.504 8.245 79.353 1.00 22.40 24208 O HOH W 47 -63.275 -0.369 56.167 1.00 20.34 24210 O HOH W 48 -60.051 -20.691 77.439 1.00 29.91 24211 O HOH W 50 -55.646 5.938 84.874 1.00 16.39 24212 O HOH W 51 -20.326 16.802 88.348 1.00 29.49 24213 O HOH W 52 -31.662 6.373 71.332 1.00 25.55 24214 O HOH W 53 -82.079 3.469 31.545 1.00 27.19										
24208 O HOH W 47 -63.275 -0.369 56.167 1.00 20.34 24209 O HOH W 48 -60.051 -20.691 77.439 1.00 29.91 24211 O HOH W 49 -103.083 -7.671 22.880 1.00 20.83 24211 O HOH W 50 -55.646 5.935 84.674 1.00 16.39 24212 O HOH W 51 -20.326 16.802 88.348 1.00 29.49 24213 O HOH W 52 -31.662 6.373 71.432 1.00 25.55 24214 O HOH W 53 -82.079 3.469 31.545 1.00 27.19										
24209 O HOH W 48 -60.051 -20.691 77.439 1.00 29.91 24210 O HOH W 49 -103.083 -7.671 22.880 1.00 20.83 24211 O HOH W 50 -55.646 5.935 84.874 1.00 16.39 24212 O HOH W 51 -20.326 16.802 88.348 1.00 29.49 24213 O HOH W 52 -31.662 6.373 71.432 1.00 25.55 24214 O HOH W 53 -82.079 3.469 31.545 1.00 27.19										
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$										
24211 0 HOH W 50 -55.646 5.935 84.874 1.00 16.39 24212 0 HOH W 51 -20.326 16.802 88.348 1.00 29.49 24213 0 HOH W 52 -31.662 6.373 71.432 1.00 25.55 24214 0 HOH W 53 -82.079 3.469 31.545 1.00 27.19										
24212 0 HOH W 51 -20.326 16.802 88.348 1.00 29.49 24213 0 HOH W 52 -31.662 6.373 71.432 1.00 25.55 24214 0 HOH W 53 -82.079 3.469 31.545 1.00 27.19										
$\begin{array}{cccccccccccccccccccccccccccccccccccc$										
24214 O HOH W 53 -82.079 3.469 31.545 1.00 27.19										
24215 O HOH W 54 -71.278 -25.643 91.236 1.00 30.95	24215	0	HOH	W	54			91.236		30.95

FIGURE 3 RG

A	В	C	D	Е	F	G	H	I	J
24216	0	нон	W	55	-113.642	1.100	40.912	1.00	20.06
24217	0	HOH	W	56	-106.400	-10.823	48.758	1.00	23.65
24218	0	HOH		57	-72.098	-27.755	94.347	1.00	
24219	0	HOH		58	-81.485	-2.961	34.163	1.00	20.94
24220	0	HOH	W	59	-104.853	-11.330	41.012	1.00	22.49
24221	0	НОН		60	-50.143	-21.292	15.918		46.06
24222	ō	НОН		61	-75.243	-14.549	84.035		22.74
24223	ō	НОН		62	-42.523	-4.657	66.681	1.00	32.51
24224	ō	НОН		63	-65.231	-15.648	33.609	1.00	31.65
24225	ō	НОН		64	-108.948	-3.717	25.649		29.83
24226	ō	НОН		65	-92.950	-6.028	69.562	1.00	30.87
24227	0	HOH		66	-86.814	5.040	47.700	1.00	39.21
24228	ō	HOH		67	-116.041	-8.699	50.305	1.00	
24229	0	HOH		68	-93.123	10.711	28.131	1.00	26.08
24230	ō	HOH		69	-50.985	3.640	72.696	1.00	20.48
24231	ō	НОН		70		-10.686	80.787	1.00	27.69
24232	ŏ	НОН		71	-114.830	-7.412	52.563	1.00	26.83
24233	ŏ	НОН		72	-75.102	-0.276	9.886		28.92
24234	ŏ	НОН		73	-23.734	-17.727	89.694	1.00	28.78
24235	Õ	нон		74	-61.665	13.073	82.553	1.00	
24236	o	HOH		75	-71.182	-9.402	3.784	1.00	35.36
24237	0	HOH		76	-24.540	-4.350	67.423		43.77
24238	0	HOH		77	-61.200	-3.647	93.365		19.38
24239	0	HOH		78	-121.220	15.557	20.341	1.00	39.85
24240	0	HOH		79	-72.505	5.898	75.027	1.00	
24241	o	нон		80	-53.615	-1.972	65.458	1.00	25.36
24242	o	нон		81	-23.316	8.408	68.632	1.00	27.79
24243	ŏ	нон		82	-40.295	-8.810	86.500	1.00	19.14
24244	ŏ	нон		83	-66.594	-4.239	87.795	1.00	24.11
24245	ŏ	нон		84	-75.182	-13.009	69.585	1.00	18.25
24246	ō	НОН		85	-96.392	-18.489	23.392	1.00	36.31
24247	0	HOH		86	-112.774	15.956	26.499	1.00	26.80
24248	0	HOH		87	-91.217	-10.713	67.871	1.00	16.07
24249	0	HOH		88	-12.985	-15.845	110.350		29.91
24250	0	HOH		89	-59.754	-17.919	67.217	1.00	33.41
24251	o	HOH		90	-87.120	-23.809	79.247	1.00	25.99
24252	o	нон		91	-17.496	-5.037	62.417	1.00	35.92
24253	ŏ	НОН		92	-82.662	-5.201	21.440		28.79
24254	ŏ		W	93	-15.946	-17.219	90.181	1.00	35.57
24255	ŏ	нон		94	-106.041	-23.904	32.595	1.00	27.36
24256	ō	HOH		95	-64.891	-38.163	13.838	1.00	49.31
24257	0	HOH		96	-68.673	-3.377	89.485	1.00	28.59
24258	0	HOH		97	-73.127	4.487	72.673	1.00	24.48
24259	o	HOH		98	-75.506	0.140	23.056		30.81
24260	0	HOH		99	-59.199	11.468	76.763		25.49
24261	o	НОН		100	-66.041	3.566	-5.385	1.00	33.28
24262	0	HOH		101	-11.881	3.367	91.642	1.00	21.04
24263	Ö	HOH		102	-85.203	-18.621	66.788	1.00	27.38
24264	Ö	нон		103	-109.289	4.117	56.380	1.00	33.61
24265	Ö	нон		104	-106.928	-5.336	50.716		28.54
24266	o	нон		105	-81.989	-10.473	65.120		20.82
	-				505				

FIGURE 3 RH

A	В	C	D	E	F	G	H	I	J
0.4068					43.040				05 05
24267	0	HOH		106	-41.840	13.381	94.446		35.97
24268	0	HOH		107	-106.501	-2.782	35.295		28.25
24269	0	НОН		108	-72.388	10.526	80.061		31.33
24270	0	HOH		109	-53.562	5.264	73.907		22.21
24271	0	HOH		110	-57.971	6.214	86.387		23.64
24272	0	HOH		111	-100.805	-7.622	22.042		23.65
24273	0	HOH		112	-48.478	-3.003	92.083		23.36
24274	0	HOH		113	-85.465	-25.300	72.872		29.44
24275	0	HOH		114	-20.282	8.882	79.786	1.00	35.92
24276	0	HOH		115	-45.959	2.886	103.777		26.29
24277	0	HOH	W	116	-36.141	-11.677	74.345		28.93
24278	0	HOH		117	-84.832	-6.458	67.180		23.67
24279	0	HOH	W	118	-110.885	-3.063	36.123		17.59
24280	0	HOH		119	-76.548	1.210	67.123		23.27
24281	0	HOH	W	120	-90.282	-6.048	52.777		21.84
24282	0	HOH	W	121	-29.693	4.046	86.322	1.00	34.98
24283	0	HOH	W	122	-28.902	-9.734	109.602	1.00	31.65
24284	0	HOH	W	123	-4.352	-3.743	90.634	1.00	32.59
24285	0	HOH	W	124	-91.781	-4.447	83.572	1.00	25.21
24286	0	HOH	W	125	-67.717	-16.914	28.754	1.00	40.36
24287	0	HOH	W	126	-119.211	0.651	53.546	1.00	26.42
24288	0	HOH	W	127	-91.301	-28.429	34.790	1.00	40.78
24289	0	HOH	W	128	-76.632	-4.861	41.174	1.00	30.89
24290	0	HOH	W	129	-99.483	0.770	31.171	1.00	21.46
24291	0	HOH	W	130	-40.577	25.458	71.322	1.00	31.89
24292	0	HOH	W	131	-54.460	-3.811	88.792	1.00	26.57
24293	0	HOH	W	132	-73.347	-26.780	96.594	1.00	25.31
24294	0	HOH	W	133	-101.846	-12.191	22.857	1.00	29.80
24295	0	HOH	W	134	-13.225	-4.460	115.839	1.00	40.97
24296	0	HOH	W	135	-68.912	-5.769	86.997	1.00	22.23
24297	0	HOH	W	136	-22.275	9.258	67.096	1.00	30.00
24298	0	HOH	W	137	-44.839	-3.193	88.802	1.00	24.93
24299	0	HOH	W	138	-65.755	-7.053	37.884	1.00	28.79
24300	0	HOH	W	139	-58.404	-6.772	87.209	1.00	23.49
24301	0	HOH	W	140	-80.628	-9.548	77.028	1.00	24.08
24302	0	HOH	W	141	-99.414	17.192	45.081	1.00	30.93
24303	0	HOH	W	142	-25.663	9.914	92.244	1.00	34.26
24304	0	HOH	W	143	-36.543	-4.504	86.323	1.00	26.15
24305	0	HOH	W	144	-50.670	-5.118	86.081	1.00	28.13
24306	0	HOH	W	145	-14.817	1.884	76.189	1.00	31.05
24307	0	HOH	W	146	-90.085	4.557	31.021	1.00	23.04
24308	0	HOH	W	147	-92.788	-23.311	32.998	1.00	35.23
24309	0	HOH	W	148	-73.899	-11.308	78.406	1.00	20.27
24310	0	HOH	W	149	-44.776	-13.606	80.500	1.00	26.73
24311	0	HOH	W	150	-82.733	-15.307	90.077	1.00	52.62
24312	0	HOH	W	151	-27.565	-1.561	63.745	1.00	37.01
24313	0	HOH	W	152	-59.931	-24.626	91.317	1.00	27.37
24314	0	HOH	W	153	-48.630	-13.831	69.969	1.00	25.35
24315	0	HOH	W	154	-56.434	-22.590	87.803	1.00	28.54
24316	0	HOH	W	155	-97.391	5.405	41.148	1.00	28.63
24317	0	HOH	W	156	-111.072	13.637	28.834	1.00	29.36

FIGURE 3 RI

A	В	C	D	Е	F	G	H	I	J
24318	0	НОН	W	157	-70.170	-26.212	93.886	1.00	21.97
24319	ō	HOH		158	-40.421	-9.872	83.798		25.90
24320	0	HOH	W	159	-124.981	-6.802	54.015	1.00	32.00
24321	0	HOH		160	-14.089	3.959	80.977	1.00	28.94
24322	0	HOH	W	161	-75.785	-11.368	76.575	1.00	16.09
24323	0	HOH	W	162	-85.426	-18.016	6.302	1.00	35.99
24324	0	HOH	W	163	-79.395	2.382	31.405	1.00	35.95
24325	0	HOH	W	164	-80.145	2.786	36.094	1.00	28.98
24326	0	HOH	W	165	-54.849	-0.234	3.626	1.00	52.60
24327	0	HOH	W	166	-106.634	-5.311	26.057	1.00	27.44
24328	0	HOH	W	167	-62.637	0.167	91.371	1.00	24.04
24329	0	HOH	W	168	-72.863	22.007	67.554	1.00	38.64
24330	0	HOH		169	-114.985	13.055	45.357	1.00	40.11
24331	0	HOH		170	-71.027		83.882	1.00	39.02
24332	0	HOH		171	-71.902	-4.399	21.029	1.00	31.18
24333	0	HOH		172	-48.422	1.924	102.299	1.00	32.51
24334	0	HOH		173	-48.339	-3.859	75.038	1.00	24.54
24335	0	HOH		174	-107.907	-2.609	32.422	1.00	22.99
24336	0	НОН		175	-104.620		43.567	1.00	35.88
24337	0	HOH		176	-90.642	0.177	20.961	1.00	22.61
24338	0	HOH		177	-110.363	10.007	42.496	1.00	33.78
24339	0	HOH		178		-18.015	73.273	1.00	17.91
24340 24341	0	HOH		179	-57.482	7.441	93.816	1.00	23.43
24341	0	HOH		180 181	-35.275 -12.734	-15.110 -3.318	99.309 78.965	1.00	32.53
24342	0	HOH		182	-118.291	5.612	43.221	1.00	24.78
24343	0	HOH		183	-58.998		94.104	1.00	39.07
24345	0	HOH		184	-68.221	4.700	81.326	1.00	21.62
24346	ŏ	HOH		185	-55.744	-25.024	77.689	1.00	38.78
24347	ŏ	нон		186	-51.734	-8.919	92.077	1.00	24.62
24348	ō	HOH		187	-59.944	8.112	87.649	1.00	32.98
24349	o	HOH		188	-76.414	-19.148	58.805	1.00	46.32
24350	ō	HOH		189	-50.989	14.314	75.971	1.00	34.01
24351	0	HOH	W	190	1.782	15.783	87.688	1.00	56.92
24352	0	HOH	W	191	-74.202	-3.438	22.570	1.00	29.82
24353	0	HOH	W	192	-32.236	1.525	89.838	1.00	25.96
24354	0	HOH	W	193	-75.647	0.161	28.354	1.00	29.82
24355	0	HOH	W	194	-92.262	-14.808	91.578	1.00	30.64
24356	0	HOH	W	195	-83.298	-11.345	4.255	1.00	38.28
24357	0	HOH		196	-37.338	3.161	59.048	1.00	20.67
24358	0	HOH		197	-59.182	-7.885	99.202	1.00	36.33
24359	0	HOH		198	-30.676	15.551	78.119	1.00	28.90
24360	0	HOH		199	-77.000	-8.976	77.246	1.00	30.29
24361	0	HOH			-62.592	-2.234	91.528	1.00	22.49
24362	0	НОН			-84.788		74.412		22.56
24363	0	HOH		202	-75.385		68.001		24.89
24364	0	HOH		203	-77.662	-8.241	26.170	1.00	21.16
24365	0	HOH		204	-64.771	1.570	90.052	1.00	33.62
24366	0	HOH		205	-81.699		47.063	1.00	36.98
24367	0	HOH		206	-20.231	-36.910 -27.837	75.605	1.00	36.29
24368	0	HOH	W	207	-25.961	-21.831	99.022	1.00	38.88

FIGURE 3 RJ

A	В	C	D	E	F	G	H	I	J
24369	0	НОН	w	208	-96.006	-14.048	18.095	1.00	28.04
24370	ō	HOH			-58.469	5.269	93.487		23.13
24371	ō	HOH			-74.325	-6.822	68.883		20.73
24372	ō	HOH			-89.567	-12.790	68.569		25.44
24373	ō	HOH			-37.674	0.666	58.639		25.90
24374	ō	HOH			-68.643	-16.312	26.182		34.79
24375	ŏ	HOH			-30.927	5.755		1.00	32.95
24376	ŏ	HOH			-79.481	-1.250	35.367		26.75
24377	ō	HOH			-92.377	-0.377	25.088	1.00	
24378	o	НОН			-83.520	-15.613	70.403	1.00	
24379	ō	HOH			-72.696	-23.309			27.73
24380	0	HOH	W	219	-77.396	-4.105	-0.654	1.00	32.28
24381	0	HOH			-117.083	-11.246	50.304	1.00	31.59
24382	0	HOH			-97.187	-16.296	65.596	1.00	36.87
24383	0	HOH			-85.942	-11.587	45.311	1.00	
24384	0	HOH	W	223	-41.219	-10.073	88.257	1.00	19.26
24385	0	HOH	W	224	-77.785	-29.179	76.237	1.00	27.76
24386	0	HOH	W	225	-55.141	-17.302	92.534	1.00	36.22
24387	0	HOH	W	226	-89.051	-3.976	58.563	1.00	31.85
24388	0	HOH	W	227	-133.159	5.245	4.407	1.00	35.71
24389	0	HOH	W	228	-64.438	-15.995	30.706	1.00	31.36
24390	0	HOH	W	229	-95.735	-25.318	29.954	1.00	34.97
24391	0	HOH			-73.488	-8.008	80.339	1.00	34.43
24392	0	HOH			-111.130	-3.552	40.809	1.00	
24393	0	HOH	W	232	-110.233	-1.951	33.979	1.00	21.17
24394	0	HOH	W	233	-114.918	6.101	34.185	1.00	22.47
24395	0	HOH	W	234	-122.726	-5.394	51.238	1.00	26.82
24396	0	HOH	W	235	-122.574	-1.404	39.114	1.00	40.17
24397	0	HOH	W	236	-73.267	-25.867	81.292	1.00	29.46
24398	0	HOH	W	237	-84.409	-1.101	26.394	1.00	29.29
24399	0	HOH	W	238	-91.341	-16.988	84.578	1.00	25.96
24400	0	HOH	W	239	-39.470	-12.050	73.075	1.00	37.03
24401	0	HOH	W	240	-2.061	-8.117	106.954	1.00	34.50
24402	0	HOH	W	241	-59.827	-16.337	6.625	1.00	34.16
24403	0	HOH	W	242	-87.331	4.980	43.006	1.00	39.82
24404	0	HOH	W	243	-96.863	-28.277	33.742	1.00	44.85
24405	0	HOH	W	244	-104.593	-13.702	41.488	1.00	19.51
24406	0	HOH	W	245	-73.417	-11.509	83.254	1.00	
24407	0	HOH			-75.722	2.349	69.359	1.00	29.25
24408	0	HOH	W	247	-24.578	1.538	70.024	1.00	39.78
24409	0	HOH	W	248	-46.998	-3.845	101.005	1.00	32.06
24410	0	HOH	W	249	-92.617	-13.851	9.018	1.00	42.28
24411	0	HOH			-61.764	-8.020	59.987	1.00	26.98
24412	0	HOH			-100.091	14.397	26.529	1.00	33.05
24413	0	HOH			-42.633	-6.822	68.502	1.00	
24414	0	HOH			-7.181	8.932	64.612	1.00	53.64
24415	0	HOH			-27.720	14.073	82.527	1.00	30.70
24416	0	HOH			-24.177	14.802	60.014	1.00	34.48
24417	0	HOH		256	-119.569	-12.532	51.495	1.00	34.93
24418	0	HOH			-79.324	-19.664	11.988	1.00	34.52
24419	0	HOH	W	258	-23.137	8.077	85.725	1.00	30.90

FIGURE 3 RK

A	В	C	D	Е		F	G	H	I	J
24420	0	нон	W	259	-112	.359	-5.953	39.910	1.00	23.57
24421	0	HOH	W	260			-12.094	63.902	1.00	34.92
24422	0	HOH	W	261	-62	.976	1.555	93.915	1.00	36.04
24423	0	HOH	W	262	-53	.812	-0.539	59.667	1.00	37.46
24424	0	HOH	W	263	-34	.031	-2.761	87.089	1.00	29.06
24425	0	HOH	W	264	-6	.705	-3.338	96.833	1.00	39.74
24426	0	HOH	W	265	-74	.896	5.360	95.271	1.00	56.40
24427	0	HOH	W	266	-59	.460	-24.880	84.398	1.00	40.62
24428	0	HOH	W	267	-76	.631	-8.476	69.740	1.00	26.98
24429	0	HOH	W	268		.995	-1.453	18.972	1.00	30.42
24430	0	HOH	W	269	-32	.602	-12.208	2.518	1.00	61.33
24431	0	HOH	W	270		.030	-19.598	85.298	1.00	19.19
24432	0	HOH	W	271	-41	.014	-1.534	63.232	1.00	27.69
24433	0	HOH		272		.257	-6.964	64.268	1.00	
24434	0	HOH		273	-100		14.121	46.413	1.00	
24435	0	HOH		274		.144	6.000	42.386	1.00	26.82
24436	0	HOH		275		.139	-10.647	75.949	1.00	41.26
24437	0	HOH		276		.138	-27.021	101.715	1.00	38.78
24438	0	HOH		277		.782	-17.156	28.326	1.00	24.37
24439	0	HOH		278	-119		-0.976	45.322	1.00	29.90
24440	0	HOH		279		.269	-8.617	86.422	1.00	24.42
24441	0	HOH		280			-17.863	25.690	1.00	42.06
24442	0	HOH		281		.963	-10.204	47.551		29.91
24443	0	HOH		282	-106		-7.787	25.072	1.00	19.72
24444	0	HOH		283		.442	5.106	111.640	1.00	26.93
24445	0	HOH		284			-24.628	79.920	1.00	31.03
24446 24447	0	HOH		285		.610	11.401	97.883	1.00	33.98
24447	0	HOH		286		.509	1.590	42.769	1.00	26.82
24448	0	HOH		287 288		.278	-6.046 5.572	78.528 -1.336	1.00	52.68
24449	0			289	-111		-17.904	9.313		40.58
24451	0	HOH	W	290		.612	-8.792	66.548	1.00	33.68
24452	0	HOH		291		.140	16.815	76.688	1.00	32.39
24453	0		W	292	-111		-16.824	12.088	1.00	37.33
24454	o	HOH		293		.913	-12.750	109.046	1.00	39.21
24455	o	HOH		294		.563	-15.484	82.996	1.00	24.79
24456	ŏ	HOH		295		.928	-10.977	81.127	1.00	25.93
24457	ŏ	HOH		296		.856	-3.869	0.862	1.00	39.40
24458	Õ		W	297		.388	7.474	22.287	1.00	36.88
24459	ō	НОН	W	298	-113		-22.248	37.416	1.00	32.99
24460	ō	HOH		299		.624	-21.871	66.601	1.00	62.21
24461	0	HOH		300		.526	-9.432	19.901	1.00	42.19
24462	0	HOH		301		.865	7.711	63.285	1.00	42.58
24463	0	HOH	W	302	-91	.267	-14.271	84.352	1.00	26.57
24464	0	HOH	W	303	-95	.271	15.524	82.843	1.00	40.52
24465	0	HOH	W	304	-109	.080	-5.733	48.972	1.00	21.15
24466	0	HOH	W	305		.924	-6.058	62.090	1.00	33.77
24467	0	HOH	W	306	-131	.353	-12.524	54.607	1.00	39.97
24468	0	HOH		307		.761	-15.268	82.570	1.00	22.77
24469	0	HOH		308	-120		-19.867	51.546		29.54
24470	0	HOH	W	309	-100	.641	-16.744	72.476	1.00	36.27

FIGURE 3 RL

A	В	C	D	Е	F	G	H	I	J
24471	0	нон	W	310	-80.240	-17.209	39.758	1.00	33.90
24472	ō	HOH		311	-31.708	-9.641	95.238		29.12
24473	ō	HOH		312	-83.814	-16.154	5.680	1.00	
24474	0			313	-37.232	-6.563	80.302	1.00	36.17
24475	0			314	-70.622	-1.977	88.167		27.88
24476	0	нон		315	-84.119	-4.252	74.137	1.00	31.96
24477	ō	нон		316	-77.295	-10.541	81.836	1.00	32.42
24478	ŏ	нон		317	-101.238	-14.498	72.963		45.28
24479	ō	нон		318	-24.754	5.854	86.018	1.00	31.66
24480	ŏ	нон		319	-73.523	-10.444	44.877		29.80
24481	o	HOH		320	-59.557	13.895	78.345		26.20
24482	o	HOH		321	-109.292	-3.190	47.869		23.62
24483	0	HOH		322	-91.160	-8.045	54.116		23.32
24484	0	HOH		323	-25.913	8.917	82.854	1.00	29.76
24485	0	HOH		324	-45.682	-7.725	76.713		28.57
24486	o	HOH		325	-29.382	0.836	55.856	1.00	39.66
24487	0	нон		326	-32.152	-26.155	78.159	1.00	37.39
24488	0	нон		327	-114.146	5.928	52.894	1.00	33.72
24488	0	HOH		328	-78.027	-8.774	43.048	1.00	21.47
24489					-124.215	5.256			37.84
	0	нон		329			39.406	1.00	
24491	0	HOH		330	-114.276	-0.923	34.147		29.79
24492	0	HOH		331		-13.850	81.041		34.32
24493	0	HOH		332	-48.933	4.882	102.460		25.22
24494	0	НОН		333	-144.631	1.048	44.554		40.54
24495	0	HOH		334	-78.844	-2.914	102.492	1.00	34.39
24496	0	НОН		335	-82.073	-8.908	53.475	1.00	34.72
24497	0	НОН		336	-132.571	-12.045	51.216		43.39
24498	0	HOH		337	-113.484	15.595	18.318		43.50
24499	0	НОН		338	-80.286	5.452	15.760	1.00	42.84
24500	0	HOH		339	-94.063	4.582	23.976	1.00	
24501	0	HOH		340	-123.795	9.308	48.657	1.00	34.25
24502	0	HOH		341	-8.269	-4.453	84.606		44.86
24503	0	HOH		342	-137.812	-28.700	21.377		49.37
24504	0	HOH		343	-70.782	-7.957	90.513		23.76
24505	0	HOH		344	-51.640	-3.177	62.800	1.00	
24506	0	HOH		345	-107.294	19.998	28.517	1.00	34.16
24507	0	HOH		346	-75.391	-31.741	89.888	1.00	34.52
24508	0	HOH		347	-28.729	4.880	89.134		29.64
24509	0	HOH		348	-94.866	8.220	22.666	1.00	37.15
24510	0	HOH	W	349	-47.619	5.635	68.767	1.00	31.79
24511	0	HOH	W	350	-32.001	-5.017	90.310	1.00	28.26
24512	0	HOH	W	351	-117.983	-20.729	54.852	1.00	39.53
24513	0	HOH	W	352	-45.251	5.119	19.195	1.00	47.31
24514	0	HOH		353	-93.949	-1.603	27.037		28.43
24515	0	HOH	W	354	11.481	9.358	86.657	1.00	48.62
24516	0	HOH	W	355	-60.019	14.574	67.773	1.00	47.66
24517	0	HOH	W	356	-45.557	-15.018	78.497	1.00	25.05
24518	0	HOH	W	357	-76.943	-0.688	70.818	1.00	40.91
24519	0	HOH	W	358	-60.725	-1.346	55.724	1.00	44.13
24520	0	HOH	W	359	-90.931	-11.002	62.749	1.00	37.87
24521	0	HOH	W	360	-103.687	19.110	45.842	1.00	40.74

FIGURE 3 RM

A	В	C	D	Е	F	G	H	I	J
24522	0	НОН	W	361	-103.447	1.555	58.425	1.00	44.32
24523	0	HOH	W	362	-62.424	-33.596	14.361	1.00	42.09
24524	0	HOH	W	363	-142.610	6.528	48.843	1.00	35.58
24525	0	HOH		364	-50.711	-7.054	8.397		49.26
24526	0	HOH	W	365	-32.087	-3.255	68.786	1.00	29.39
24527	0	нон		366	-78.082	0.405	23.933		31.59
24528	ō	нон		367	-30.102	14.289	80.546		28.45
24529	ō	нон		368	-84.631	-31.154	102.920		45.04
24530	ō	нон		369	-73.753	-25.119	77.110		23.89
24531	ō	нон		370	-30.399	14.616	102.905	1.00	46.03
24532	0	HOH	W	371	-46.946	22.032	80.247	1.00	28.87
24533	0	HOH		372	-86.341	13.219	86.877	1.00	47.17
24534	0	HOH		373	-19.006	-2.210	116.881	1.00	33.56
24535	0	HOH	W	374	-76.017	-7.389	42.389	1.00	31.21
24536	0	HOH		375	-66.602	-6.591	17.190	1.00	38.69
24537	0	HOH	W	376	-88.752	-13.509	66.146	1.00	32.00
24538	0	HOH	W	377	-55.062	-14.282	90.703	1.00	26.99
24539	0	HOH	W	378	-78.048	-9.519	45.392	1.00	24.96
24540	0	HOH	W	379	-46.272	-14.689	60.543	1.00	46.39
24541	0	HOH	W	380	-104.895	17.465	31.690	1.00	52.28
24542	0	HOH	W	381	-90.097	-5.431	81.500	1.00	29.16
24543	0	HOH	W	382	-35.670	-1.759	75.500	1.00	33.60
24544	0	HOH	W	383	-27.003	8.111	68.489	1.00	29.54
24545	0	HOH	W	384	-115.888	-9.266	25.040	1.00	38.52
24546	0	HOH	W	385	-27.613	-1.659	68.433	1.00	34.39
24547	0	HOH	W	386	-71.527	-25.637	101.416	1.00	36.97
24548	0	HOH	W	387	-140.064	9.912	23.260	1.00	42.90
24549	0	HOH	W	388	-40.301	-8.785	104.462	1.00	40.87
24550	0	HOH	W	389	-64.273	1.125	23.882	1.00	39.29
24551	0	HOH	W	390	-92.220	-5.490	23.328	1.00	25.87
24552	0	HOH	W	391	-34.229	1.672	112.166	1.00	32.95
24553	0	HOH	W	392	-4.121	-6.162	88.781	1.00	46.28
24554	0	HOH	W	393	-55.972	-24.423	84.033	1.00	48.43
24555	0	HOH	W	394	-56.995	8.367	70.948	1.00	29.49
24556	0	HOH	W	395	-126.333	-7.814	37.963		37.37
24557	0	HOH	W	396	-48.948	3.852	66.990	1.00	37.01
24558	0	HOH	W	397	-46.749	-1.825	90.667	1.00	27.00
24559	0	HOH	W	398	-106.804	0.856	6.978		47.53
24560	0	HOH	W	399	-66.287	-18.360	33.203	1.00	36.53
24561	0	HOH	W	400	-61.116	-8.337	36.977	1.00	45.12
24562	0	HOH	W	401	-96.847	-20.236	62.448	1.00	49.72
24563	0	HOH	W	402	-27.539	-32.416	74.701	1.00	45.14
24564	0	HOH	W	403	-27.859	8.977	87.605	1.00	23.08
24565	0	HOH		404	-113.552	-6.130	38.217	1.00	34.04
24566	0	HOH		405	-41.959	22.786	70.496		27.28
24567	0	HOH		406	-43.248	24.044	98.232	1.00	47.89
24568	0	HOH		407	-98.090	3.948	48.778	1.00	36.98
24569	0	HOH		408	-117.722	-1.339	49.192	1.00	33.13
24570	0	HOH		409	-97.186	23.891	38.877	1.00	37.04
24571	0	HOH		410	-54.077	-21.256	87.483	1.00	31.67
24572	0	HOH	W	411	-26.540	-7.257	58.482	1.00	35.63

FIGURE 3 RN

A	В	С	D	Е	F	G	H	I	J
24573	0	НОН	w	412	-59.189	15.902	76.884	1.00	28.37
24574	0			413	-106.052	-19.912	38.113		37.83
24575	0	HOH			-38.457	-5.391	64.442	1.00	36.51
24576	0	HOH		415		-16.478	41.821	1.00	28.20
24577	ō	HOH		416	-62.592	15.864	83.338		41.79
24578	ō	HOH		417	-90.440	-7.959	81.659	1.00	33.84
24579	ŏ	НОН		418	-109.276	-4.084	65.347	1.00	45.60
24580	ŏ	НОН		419		-12.524	47.891	1.00	34.51
24581	ŏ	НОН		420	-61.674	13.685	79.885	1.00	22.82
24582	ō	нон		421	-77.977	6.047	70.046		24.17
24583	ō	HOH		422		-36.956	84.165	1.00	44.36
24584	ō	HOH		423	-75.416	-3.338	43.412		28.37
24585	ō	HOH		424	-18.933	12.928	89.742		25.94
24586	0	HOH		425	-94.178	3.382	47.428	1.00	36.17
24587	ō	HOH		426	-52.330	5.800	71.979		21.85
24588	0	нон	W	427		-11.856	14.969	1.00	34.68
24589	o	нон		428	-85.645	-17.986	37.895	1.00	33.59
24590	ō	нон		429	-132.669	-7.587	47.834	1.00	36.03
24591	ō	нон		430	-108.763	-1.321	24.408	1.00	28.53
24592	ō	нон		431	-88.217	-9.065	82.661	1.00	30.48
24593	ō	HOH		432		-21.493	13.134	1.00	42.34
24594	ō	HOH		433	-85.022	5.402	37.016		28.68
24595	0	HOH		434	-73.814	-5.264	66.747		21.12
24596	0	HOH		435	-28.261	13.058	71.895	1.00	30.19
24597	0	HOH	W	436	-28.806	16.105	86.546	1.00	23.64
24598	0	нон	W	437		-16.186	93.767	1.00	23.93
24599	o	нон		438	-48.439	-5.879	87.312		25.91
24600	0	HOH	W	439	-64.299	-28.634	72.041	1.00	33.74
24601	0	HOH	W	440	-51.532	-5.766	89.351	1.00	34.47
24602	0	HOH	W	441	-93.787	-8.401	22.095	1.00	32.88
24603	0	HOH	W	442	-71.406	3.880	14.002	1.00	33.45
24604	0	HOH	W	443	-98.429	-9.433	30.498	1.00	29.14
24605	0	HOH	W	444	-70.817	-10.368	96.315	1.00	27.94
24606	0	HOH	W	445	-97.517	13.369	26.783	1.00	33.43
24607	0	HOH	W	446	-89.969	-3.182	22.808	1.00	35.56
24608	0	HOH	W	447	-22.398	-7.403	112.204	1.00	36.75
24609	0	HOH	W	448	-54.199	-9.603	88.145	1.00	21.39
24610	0	HOH	W	449	-9.727	-30.093	71.057	1.00	39.70
24611	0	HOH	W	450	-33.216	5.161	88.968	1.00	31.92
24612	0	HOH	W	451	-71.338	7.377	0.357	1.00	56.63
24613	0	HOH	W	452	-65.276	-2.999	91.373	1.00	31.95
24614	0	HOH	W	453	-93.385	9.333	34.303	1.00	30.73
24615	0	HOH	W	454	-88.266	-21.163	92.334	1.00	34.41
24616	0	HOH	W	455	7.452	15.404	87.259	1.00	48.25
24617	0	HOH		456	-78.495	-10.661	40.980		29.54
24618	0	HOH	W	457	-29.277	-0.034	109.864	1.00	41.20
24619	0	HOH		458	-84.933	-22.922	78.703		29.22
24620	0	HOH		459		-18.157	61.639		59.22
24621	0	HOH	W	460	-87.054	-3.611	13.871	1.00	35.20
24622	0	HOH		461	-106.268	3.822	20.597		40.04
24623	0	HOH	W	462	-14.798	-27.138	95.307	1.00	42.14

FIGURE 3 RO

A	В	C	D	E	F	G	H	I	J
24624	0	нон	W	463	-106.608	-0.853	14.325	1.00	44.75
24625	0	HOH	W	464	-12.037	19.585	82.638	1.00	34.50
24626	ō	HOH		465	-9.799	0.222	61.269		37.92
24627	ō	HOH		466	-20.392	5.445	93.033		25.96
24628	0	HOH		467	-109.907	10.806	33.777		42.21
24629	0	нон		468	-72.446	-27.810	77.689		40.27
24630	Ö	нон		469	-42.426	-12.230	79.608	1.00	32.72
24631	ŏ	нон		470	-71.414	0.070	15.776	1.00	39.43
24632	ŏ	нон		471	-9.422	11.591	79.064	1.00	45.89
24633	Ö	нон		472	-99.297	-8.426	65.422	1.00	34.72
24634	o	HOH		473	-86.247	-3.322	24.107		27.75
24635	0	HOH		474	-33.420	7.924	76.871	1.00	35.27
24636	0	HOH		475	-84.558	-15.993	84.177		25.38
		HOH		476		-7.611	47.215	1.00	32.50
24637 24638	0	HOH		477	-110.008 -87.610	-29.622	80.099		41.19
							75.751	1.00	32.12
24639	0	HOH		478	-63.868	15.881			
24640	0	HOH		479	-102.368	13.617	82.403		51.21
24641	0	HOH		480	-93.676	-8.304	53.421		22.95
24642	0	HOH		481	-65.038	-2.900	54.046	1.00	29.86
24643	0	НОН		482	-92.189	-12.262	66.212	1.00	33.84
24644	0	HOH		483	-34.202	-6.218	86.179		26.53
24645	0	HOH		484	-96.451	9.670	20.995		36.39
24646	0	HOH		485	-95.374	-17.291	106.485		52.48
24647	0	НОН		486	-73.322	-2.828	74.671	1.00	32.65
24648	0	HOH		487	-64.306	10.964	88.902		36.83
24649	0	HOH		488	-51.433	10.267	65.577	1.00	49.74
24650	0	HOH		489	-94.223	11.434	50.644	1.00	58.39
24651	0	HOH		490	-111.244	11.678	38.858	1.00	40.23
24652	0	HOH		491	-84.214	-35.551	92.737	1.00	32.32
24653	0	HOH		492	-51.608	-18.135	89.834		26.53
24654	0	HOH		493		-25.419	66.465	1.00	49.15
24655	0	HOH		494	-39.111	10.312	9.299	1.00	46.57
24656	0	HOH		495	-41.021	-0.734	82.999		20.17
24657	0	HOH		496		-16.137	89.994		29.53
24658	0	HOH		497	-36.737	-9.547	83.254		37.47
24659	0	HOH		498	-118.554	-7.113	14.480	1.00	47.45
24660	0	HOH		499	-70.907	-0.954	72.707		24.78
24661	0	HOH	W	500	-4.235	14.513	79.624		45.58
24662	0	HOH		501	-90.181	-15.231	97.552	1.00	44.18
24663	0	HOH	W	502	-76.085	-25.892	68.489	1.00	33.89
24664	0	HOH	W	503	-56.259	29.758	0.366	1.00	40.78
24665	0	HOH	W	504	-59.106	-24.485	86.538	1.00	34.68
24666	0	HOH	W	505	-131.342	-22.325	2.291	1.00	51.62
24667	0	HOH	W	506	-42.230	0.815	61.632	1.00	46.95
24668	0	HOH	W	507	-127.706	-12.085	47.862	1.00	37.48
24669	0	HOH	W	508	-114.497	13.233	17.975	1.00	37.97
24670	0	HOH	W	509	-66.706	-11.810	102.856	1.00	31.99
24671	0	HOH	W	510	-90.702	-5.881	10.694	1.00	36.99
24672	0	HOH	W	511	-62.647	-27.901	89.640	1.00	48.60
24673	0	HOH	W	512	-65.472	-1.994	94.134	1.00	32.99
24674	0	HOH	W	513	-112.605	-8.249	41.550	1.00	37.12

FIGURE 3 RP

A	В	C	D	E	F	G	H	I	J
24675	0	НОН	147	514	-73 619	-33.358	33.610	1 00	41.94
24676	0	HOH			-110.412	14.693	25.941	1.00	
24677	o	HOH			-127.324	-18.406	28.670		37.34
24678	o	HOH			-92.072	11.787	30.309	1.00	38.67
24679	ō	HOH			-109.533	13.252	42.283	1.00	43.87
24680	ō	HOH			-96.204	-22.107	73.396		40.68
24681	ŏ	HOH			-70.511	1.201	-1.688	1.00	43.61
24682	ō	HOH		521	-85.422	2.630	44.519	1.00	32.34
24683	ō	HOH		522	-89.796	-10.794	54.215	1.00	26.05
24684	ō	НОН			-52.252	-9.767	-7.150	1.00	49.69
24685	0	HOH			-106.923	5.441	23.606	1.00	26.09
24686	0	HOH	W	525	-70.347	-0.883	1.599	1.00	33.59
24687	0	HOH			-13.852	2.537	82.735	1.00	25.71
24688	0	HOH	W	527	-69.051	-23.282	65.079	1.00	57.35
24689	0	HOH	W	528	-15.736	-24.504	64.200	1.00	55.61
24690	0	HOH	W	529	-83.151	-7.369	35.490	1.00	23.48
24691	0	HOH	W	530	-100.263	-10.055	21.332	1.00	29.03
24692	0	HOH	W	531	-84.428	-15.621	36.762	1.00	30.89
24693	0	HOH	W	532	-70.991	-7.964	81.724	1.00	39.87
24694	0	HOH	W	533	-29.394	7.216	88.291	1.00	30.48
24695	0	HOH	W	534	-90.281	11.278	38.196	1.00	37.25
24696	0	HOH	W	535	-94.916	-15.110	93.283	1.00	40.87
24697	0	HOH	W	536	-130.036	2.039	24.303	1.00	38.64
24698	0	HOH	W	537	-89.215	-0.334	55.254	1.00	42.59
24699	0	HOH	W	538	-35.758	-8.081	98.639	1.00	31.72
24700	0	HOH	W	539	-45.965	18.844	63.606	1.00	40.59
24701	0	HOH	W	540	-78.761	1.016	34.849	1.00	41.00
24702	0	HOH	W	541	-36.879	12.264	110.190	1.00	40.17
24703	0	HOH	W	542	-77.805	0.921	26.516	1.00	32.58
24704	0	HOH	W	543	-51.413	-5.972	-11.885	1.00	55.29
24705	0	HOH	W	544	-106.420	2.514	16.392	1.00	36.42
24706	0	HOH			-23.108	12.851	58.766	1.00	
24707	0	HOH			-21.284	-34.324	68.964	1.00	34.79
24708	0	HOH	W	547	-115.873	-5.662	40.853	1.00	33.89
24709	0	HOH		548	-0.851	-16.521	99.863	1.00	49.84
24710	0	HOH			-125.713	-12.405	49.897	1.00	29.65
24711	0	HOH			-3.397	8.350	105.410	1.00	51.21
24712	0	HOH		551	-50.077	28.979	29.651	1.00	56.94
24713	0	HOH		552	-106.082	-6.054	28.376	1.00	35.22
24714	0	HOH			-28.271	8.354	109.470	1.00	41.13
24715	0	HOH		554	-58.943	16.159	74.242	1.00	37.16
24716	0	HOH			-110.483	11.853	49.320	1.00	38.28
24717	0	HOH		556	-18.014	-2.864	70.527	1.00	38.46
24718	0	HOH		557	-99.379	8.025	74.323	1.00	57.48
24719	0	HOH		558	-85.516	1.960	94.847	1.00	45.62
24720	0	НОН		559	-42.903	-15.679	81.707	1.00	33.93
24721	0	НОН			-32.359	-5.151	83.993	1.00	35.77
24722	0	HOH		561	-124.818	-32.042	29.691	1.00	41.61
24723	0	HOH		562	-90.150	-3.668	85.593	1.00	35.28
24724	0	HOH		563	-45.572	-2.969	63.207	1.00	35.77
24725	0	HOH	W	564	-96.431	13.752	89.323	1.00	42.58

FIGURE 3 RQ

A	В	С	D	Е	F		G	Н	I	J
24726	0	НОН	W	565	-11.67	6 -29.	828	73.906	1.00	43.24
24727	0	HOH		566	-60.96		210	58.917	1.00	34.35
24728	ō	HOH		567	-96.93		743	13.419	1.00	46.03
24729	ō	HOH		568	-80.23		394	76.783	1.00	38.39
24730	ō	HOH		569	-72.03		429	75.999	1.00	75.60
24731	ō	HOH		570	-31.99		959	71.230	1.00	35.73
24732	ō	нон	W	571	-44.95			77.973	1.00	50.86
24733	ō	нон		572	-74.60			112.735	1.00	37.33
24734	ō	нон		573	-28.55		412	25.975	1.00	77.51
24735	0	HOH	W	574	-77.64	6 3.	638	70.347	1.00	23.91
24736	0	HOH	W	575	-86.58		876	37.295	1.00	24.00
24737	0	HOH	W	576	-89.28	7 0.	922	78.981	1.00	45.18
24738	0	HOH		577	-76.58	3 -27.	839	98.387	1.00	30.42
24739	0	HOH	W	578	-25.54	2 4.	659	45.516	1.00	51.05
24740	0	HOH	W	579	-48.52	2 -16.	842	76.321	1.00	29.73
24741	0	HOH	W	580	-53.04	9 17.	187	76.352	1.00	37.90
24742	0	HOH	W	581	-56.31	2 23.	501	14.352	1.00	44.49
24743	0	HOH	W	582	-30.64	9 1.	419	106.878	1.00	28.92
24744	0	HOH	W	583	-12.52	6 -25.	497	64.032	1.00	52.61
24745	0	HOH	W	584	-28.10	9 -6.	042	112.750	1.00	38.18
24746	0	HOH	W	585	-91.40	5 1.	063	84.825	1.00	51.44
24747	0	HOH	W	586	-32.49	7 -0.	763	55.223	1.00	48.90
24748	0	HOH	W	587	-58.96	6 -7.	611	58.385	1.00	33.24
24749	0	HOH	W	588	-69.79	8 -31.	805	89.201	1.00	36.09
24750	0	HOH	W	589	-56.32	2 -1.	069	89.915	1.00	30.05
24751	0	HOH	W	590	-129.55			49.312	1.00	50.67
24752	0	HOH	W	591	-20.91			75.885	1.00	36.76
24753	0	HOH	W	592	6.89	9 4.	829	91.810	1.00	41.51
24754	0	HOH		593	-29.93			86.256	1.00	29.42
24755	0	HOH	W	594	-99.66			76.105		40.22
24756	0	HOH		595	-110.85			59.586	1.00	51.32
24757	0	HOH		596	-46.60			23.745		45.45
24758	0	HOH		597	-43.40			78.639		28.65
24759	0	HOH		598	-110.34			42.303	1.00	44.63
24760	0	HOH		599	-89.68		210	85.731		41.15
24761	0	HOH		600	-89.54			79.240	1.00	35.87
24762	0	HOH		601	-39.60			95.565		61.57
24763	0	НОН		602	-51.72		270	32.500	1.00	43.89
24764	0	НОН		603	-126.78			20.809	1.00	50.98
24765	0	НОН		604	-106.33		953	20.414	1.00	55.07
24766	0	HOH		605	-127.64		043	18.844	1.00	39.90
24767	0	HOH		606	-58.95		126	98.167	1.00	38.14
24768	0	HOH		607	-0.44		530	101.154	1.00	45.04
24769	0	HOH		608	-84.78			95.888	1.00	42.44
24770	0	HOH		609	-79.55		193	79.177		42.96
24771	0	HOH		610	-146.63		053	40.233	1.00	44.67
24772	0	HOH		611	-65.28		197	87.705	1.00	41.91
24773 24774	0	HOH		612 613	-119.62 -14.21		329 590	36.959 62.943	1.00	28.70
24774										
24776	0	HOH		614 615	-73.07	7 -28.	826	10.249 41.301		61.27 53.05
24//0	U	нон	W	010	-90.90	, -28.	2/9	41.301	1.00	00.05

FIGURE 3 RR

A	В	C	D	E	F	G	H	I	J
24777	0	HOH			-85.475	10.018	30.278		36.42
24778	0	HOH			-28.134	4.099	73.726	1.00	34.99
24779	0	HOH			-50.459	3.930	95.597		22.62
24780	0	HOH			-114.113	26.603	29.382		57.35
24781	0	HOH			-94.588	-6.059	71.538		32.20
24782	0	HOH			-82.752	13.037	62.201		30.48
24783	0	HOH		622	-20.926	-18.909	86.095	1.00	
24784	0	HOH			-17.970	26.324	71.920	1.00	
24785	0	HOH		624	-44.230	-14.175	75.931		44.88
24786	0	HOH				-16.627	92.395	1.00	
24787	0	HOH			-28.023	24.410	94.321		46.13
24788	0	HOH			-120.609	28.705	21.356	1.00	63.07
24789	0	HOH			-27.577	3.545	93.373	1.00	32.85
24790	0	HOH			-26.459	7.138	85.369		41.44
24791	0	HOH			0.858		75.756		59.25
24792	0	HOH				-21.067	81.597		37.94
24793	0	HOH		632	-38.896	29.659	75.935	1.00	36.05
24794	0	HOH		633	-84.032	-15.701	93.299	1.00	32.55
24795	0	HOH		634	-11.874	-8.228	80.656	1.00	35.54
24796	0	HOH				-30.259		1.00	38.35
24797	0	HOH			-74.032	-33.431	88.035		34.09
24798	0	HOH			-33.404		87.965	1.00	40.49
24799	0	HOH			-26.251	4.032	49.144	1.00	38.80
24800	0	HOH			-108.473	-41.961	44.645	1.00	
24801	0	HOH			-53.820	27.469	30.231	1.00	37.74
24802	0	HOH				-17.214	35.785	1.00	38.56
24803	0	HOH			-100.591		22.177	1.00	31.00
24804	0	HOH		643		-22.906	109.676	1.00	36.03
24805	0	HOH		644	-60.617	5.321	92.127	1.00	33.95
24806	0	HOH			-24.513	5.013	38.231	1.00	
24807	0	HOH		646		-14.622	9.202	1.00	53.67
24808	0	HOH			-46.151	23.506	78.086	1.00	36.42
24809	0	HOH			-15.981	-11.309	72.077		46.74
24810	0	HOH			-59.801	-4.749	52.778	1.00	
24811	0	HOH			-87.978	-33.619	102.487		63.13
24812	0	HOH			-11.361	-7.818	97.878	1.00	37.51
24813	0	HOH			-103.706		55.381	1.00	51.71
24814	0	HOH			-101.710	13.544	98.967	1.00	74.04
24815	0	HOH		654		-38.282	96.823	1.00	41.06
24816	0	HOH			-78.472	-6.737	96.586	1.00	40.72
24817	0	HOH			-135.228	16.826	26.286	1.00	46.08
24818	0	HOH			-31.731	-0.414	108.386	1.00	30.69
24819	0	HOH			-103.774	-37.385	41.953		41.27
24820	0	HOH			-77.960	-28.996	100.030	1.00	30.02
24821	0	HOH			-27.317	8.162	38.469	1.00	49.74
24822	0	HOH		661	-93.111	-25.539	30.845	1.00	34.26
24823	0	HOH		662		-23.584	94.120	1.00	31.89
24824	0	HOH		663	-19.345	2.573	76.802		47.99
24825	0	HOH		664	-13.696	-9.570	63.137	1.00	47.91
24826	0	HOH				-10.047	-5.032		55.35
24827	0	HOH	W	666	-128.631	-29.688	43.934	1.00	42.09

FIGURE 3 RS

A	В	C	D	Е	F	G	Н	I	J
24828	0	НОН	147	667	1.998	0.931	108.640	1 00	48.09
24829	o	HOH			-81.286	2.028	48.266	1.00	37.17
24830	o	HOH			-134.035	1.327	29.428	1.00	34.53
24831	o	HOH			-73.399	-1.276	-4.487	1.00	46.20
24832	ō	HOH		671	-78.675	11.945	0.336	1.00	32.94
24833	ō	HOH			-109.777	-18.384	39.041	1.00	40.69
24834	ŏ	HOH		673	-84.206	-2.279	2.801	1.00	42.50
24835	ŏ	HOH		674	0.084	2.944	107.715	1.00	57.24
24836	ŏ	HOH		675	-13.542	-1.107	101.848	1.00	37.88
24837	ō	HOH		676	-52.682	-4.437	23.976	1.00	42.73
24838	ō	HOH			-43.449	-1.946	40.836	1.00	55.57
24839	ō	HOH			-31.729	-25.134	88.262	1.00	42.24
24840	ō	HOH			-112.636	6.306	54.952	1.00	43.73
24841	0	HOH			-81.712	-14.940	93.610	1.00	41.18
24842	0	HOH			-136.487	12.605	39.278	1.00	45.29
24843	0	HOH	W	682	-52.351	-17.893	71.059	1.00	34.40
24844	o	НОН			-139.268	2.638	26.004	1.00	45.18
24845	0	HOH		684	-51.980	-5.968	99.949	1.00	34.09
24846	0	HOH	W	685	-36.644	-14.622	121.379	1.00	39.41
24847	0	HOH	W	686	-66.136	-27.337	92.346	1.00	36.84
24848	0	HOH	W	687	-70.260	3.464	78.817	1.00	35.84
24849	0	HOH	W	688	-115.054	-14.780	38.963	1.00	51.42
24850	0	HOH			-67.762	9.167	89.828	1.00	41.06
24851	0	HOH	W	690	-76.205	-19.114	45.994	1.00	42.06
24852	0	HOH	W	691	-37.718	-20.124	103.859	1.00	39.08
24853	0	HOH	W	692	-87.393	11.388	31.561	1.00	31.42
24854	0	HOH	W	693	-84.992	17.386	67.200	1.00	39.64
24855	0	HOH	W	694	-8.499	9.237	107.160	1.00	47.35
24856	0	HOH	W	695	-30.407	7.050	79.655	1.00	39.41
24857	0	HOH	W	696	-66.142	18.511	-3.885	1.00	53.83
24858	0	HOH	W	697	-80.694	14.083	113.091	1.00	51.24
24859	0	HOH	W	698	-55.899	10.509	71.595	1.00	29.76
24860	0	HOH	W	699	-11.718	0.478	82.914	1.00	45.46
24861	0	HOH	W	700	-144.057	9.602	12.139	1.00	51.96
24862	0	HOH	W	701	-123.957	-8.933	61.691	1.00	48.53
24863	0	HOH	W	702	-109.921	-40.014	51.188	1.00	51.41
24864	0	HOH	W	703	-92.687	21.608	78.741	1.00	40.56
24865	0	HOH	W	704	-122.013	-5.018	53.612	1.00	38.40
24866	0	HOH		705	-101.530	-38.287	46.008	1.00	51.23
24867	0	HOH	W	706	-27.454	-12.186	5.720	1.00	51.47
24868	0	HOH		707	-104.938	-16.722	34.407	1.00	48.66
24869	0	HOH	W	708		-14.256	81.064	1.00	46.60
24870	0	HOH		709	-75.934	-33.496	39.841	1.00	39.00
24871	0	HOH		710	-64.836	-17.007	63.963	1.00	43.38
24872	0	HOH		711	-95.062	-4.239	89.125	1.00	47.20
24873	0	HOH		712	-62.552	-12.299	31.956	1.00	45.49
24874	0	HOH		713	-57.917	-9.120	60.550	1.00	32.79
24875	0	HOH		714	1.093	-5.090	108.362	1.00	45.91
24876	0	HOH		715		-15.905	64.055	1.00	22.71
24877	0	HOH		716	-15.870	6.898	59.992	1.00	42.80
24878	0	HOH	W	717	-6.846	16.966	94.233	1.00	42.44

FIGURE 3 RT

A	В	C	D	Е	F	G	H	I	J
24879	0	нон	W	718	-47.29	-3.374	97.326	1.00	34.39
24880	0	HOH	W	719	-18.80	-5.666	55.781	1.00	37.89
24881	0	HOH	W	720	-127.64		36.633	1.00	51.23
24882	0	HOH	W	721	-38.59				51.60
24883	0	HOH	W	722	-39.85	3 -0.432	59.614	1.00	50.04
24884	0	нон		723	-74.31		44.707		55.03
24885	ō	нон		724	-9.96		74.565	1.00	34.71
24886	ō	нон		725	-107.17		33.511	1.00	38.18
24887	ō	нон		726	-99.86			1.00	57.29
24888	ō	нон		727	-106.17		36.662	1.00	35.53
24889	0	HOH	W	728	-119.80	1 -15.962	37.710	1.00	45.13
24890	0		W	729	-61.61		65.794	1.00	50.39
24891	0	HOH	W	730	0.19		75.954		63.30
24892	0	HOH	W	731	-94.04	2 -24.147	61.231	1.00	53.28
24893	0	HOH		732	-34.00		88.410		42.19
24894	0	HOH	W	733	-77.07	9 15.127	76.919	1.00	37.67
24895	0	HOH	W	734	-25.05	9 -32.925	97.348	1.00	45.80
24896	0	HOH	W	735	-76.69	3 -30.862	101.322	1.00	45.34
24897	0	HOH	W	736	-18.49	1 5.856	86.005	1.00	40.76
24898	0	HOH	W	737	-108.34	2.644	7.825	1.00	62.16
24899	0	HOH	W	738	-109.99	3 0.738	91.620	1.00	48.60
24900	0	HOH	W	739	-121.85	1.010	35.985	1.00	27.42
24901	0	HOH	W	740	-92.66	3 -13.134	63.232	1.00	40.50
24902	0	HOH	W	741	-106.48	1.723	60.044	1.00	49.04
24903	0	HOH	W	742	-95.29	3 15.288	74.820	1.00	44.19
24904	0	HOH	W	743	-113.06	1 -15.331	19.125	1.00	51.17
24905	0	HOH	W	744	-22.95	-4.870	113.055	1.00	33.35
24906	0	HOH	W	745	-89.97	3 -2.565	11.396	1.00	42.40
24907	0	HOH	W	746	-79.98	7 1.872	22.457	1.00	23.89
24908	0	HOH	W	747	-110.18	1 -15.573	44.474	1.00	54.44
24909	0	HOH	W	748	-50.71	3 -20.930	74.519	1.00	52.49
24910	0	HOH	W	749	-73.65		68.371		34.36
24911	0	HOH	W	750	-19.43		65.220		42.91
24912	0	HOH	W	751	-91.19		89.107	1.00	39.95
24913	0	HOH	W	752	-118.12		55.243	1.00	36.74
24914	0	HOH		753	-27.17		70.946	1.00	33.58
24915	0	HOH		754	-76.24		41.991	1.00	40.07
24916	0	HOH		755	-39.39		56.388	1.00	56.79
24917	0	HOH		756	-104.20		22.065	1.00	31.85
24918	0	HOH		757	-3.55		111.146	1.00	32.29
24919	0	HOH		758	-74.00		72.442	1.00	30.98
24920	0	HOH		759	-54.40		16.062	1.00	47.19
24921	0	HOH		760	-31.00		32.845		60.68
24922	0	HOH		761	-78.69		97.572	1.00	46.62
24923	0	HOH		762	-105.96		88.669	1.00	46.06
24924	0	НОН		763	-137.28		49.944	1.00	48.34
24925	0	НОН		764	-54.75		94.112		25.91
24926	0	НОН		765	-18.36		89.592	1.00	43.75
24927	0	HOH		766	-74.91		28.904		52.00
24928	0	НОН		767	-75.04		37.100		48.59
24929	0	HOH	W	768	-17.79	7 4.843	115.745	1.00	55.35

FIGURE 3 RU

A	В	С	D	Е	F	G	H	I	J
24930	0	HOH	W	769	-97.728	13.775	22.123	1.00	47.55
24931	0	HOH	W	770	-50.927	-21.661	72.392	1.00	47.05
24932	0	HOH	W	771	-23.468	-5.973	60.726	1.00	38.19
24933	0	HOH	W	772	-123.433	0.675	33.643	1.00	45.22
24934	0	HOH	W	773	-134.913	-4.283	6.958	1.00	66.68
24935	0	HOH	W	774	-127.179	-32.498	40.865	1.00	43.85
24936	0	HOH	W	775	-17.092	16.175	76.945	1.00	45.34
24937	0	HOH	W	776	-56.377	21.256	87.338	1.00	43.00
24938	0	HOH	W	777	-24.439		73.696	1.00	37.81
24939	0	HOH	W	778	-73.463	-30.933	86.327	1.00	33.66
24940	0	HOH	W	779	-70.281		105.005	1.00	48.94
24941	0	HOH	W	780	-93.115		94.056	1.00	38.17
24942	0	HOH		781	-31.661		75.797	1.00	36.73
24943	0		W	782	-63.429		19.239	1.00	53.46
24944	0	HOH		783	-97.261		79.139	1.00	43.88
24945	0		W	784	-71.802		35.264	1.00	40.62
24946	0	HOH		785	-32.081		112.046	1.00	35.75
24947	0		W	786	-139.810		22.820	1.00	67.64
24948	0		W	787	-101.321		113.123	1.00	44.05
24949	0	HOH		788	-40.760		64.114	1.00	35.05
24950	0	HOH	W	789	-127.905		-6.359	1.00	76.46
24951	0	HOH		790	-59.533		90.322	1.00	34.19
24952	0	HOH		791	-91.799		42.251	1.00	50.36
24953	0	HOH		792	-49.855		102.999	1.00	40.48
24954	0	HOH		793	-52.079		70.000	1.00	45.53
24955 24956	0	HOH		794 795	-23.004 -112.487		61.058 34.335	1.00	39.84
24956	0	HOH		796	-140.190		52.019	1.00	56.96
24958	0		W	797	-138.528		40.068	1.00	40.97
24959	Ö		W	798	-49.656		72.094	1.00	42.03
24960	0	HOH		799	-119.419		56.028	1.00	32.43
24961	0		W	800	-32.508		77.065	1.00	45.49
24962	0	HOH		801	-21.869		78.387	1.00	36.26
24963	0	HOH		802	-60.786		73.043	1.00	51.46
24964	ō	HOH		803	-43.068		78.859	1.00	33.81
24965	ō	НОН		804	-35.321		96.413	1.00	44.83
24966	o		W	805	-87.823		52.605	1.00	36.21
24967	0	HOH	W	806	-106.590	-15.054	38.915	1.00	45.67
24968	0	HOH	W	807	-75.239	4.136	14.225	1.00	39.44
24969	0	HOH	W	808	-18.177	13.978	67.515	1.00	58.12
24970	0	HOH	W	809	3.469	-3.273	99.678	1.00	51.02
24971	0	HOH	W	810	7.206	16.098	84.307	1.00	51.62
24972	0	HOH	W	811	-134.347	-10.174	26.411	1.00	53.44
24973	0	HOH	W	812	-45.444		-3.602	1.00	46.81
24974	0	HOH		813	-79.673		67.461	1.00	41.63
24975	0	HOH		814	-45.083		87.433	1.00	52.94
24976	0	HOH		815	-129.550		-0.338	1.00	57.31
24977	0	НОН		816	-7.865		71.449	1.00	33.31
24978	0		W	817	-92.944		65.491	1.00	70.96
24979	0	НОН		818	-108.298		25.185	1.00	31.68
24980	0	HOH	W	819	-87.642	-1.995	79.866	1.00	35.55

FIGURE 3 RV

A	В	С	D	Е	F	G	Н	I	J
24981	0	нон	W	820	-53.129	-20.624	68.121	1.00	43.18
24982	ō	HOH		821	-46.676	8.360	99.471	1.00	53.54
24983	0	HOH	W	822	-82.863	6.721	17.883	1.00	47.89
24984	0	HOH	W	823	-73.495	24.656	60.445	1.00	61.86
24985	0	HOH	W	824	-76.996	10.130	78.452	1.00	41.39
24986	0	HOH	W	825	-72.752	8.722	115.201	1.00	41.56
24987	0	HOH	W	826	-78.867	-18.768	51.533	1.00	39.31
24988	0	HOH	W	827	-64.933	-6.274	14.923	1.00	37.00
24989	0	HOH	W	828	-108.611	-11.029	92.203	1.00	69.08
24990	0	HOH	W	829	-60.555	-17.772	32.874	1.00	36.50
24991	0	HOH	W	830	-32.549	1.337	80.308	1.00	41.41
24992	0	HOH	W	831	-113.710	-25.902	32.716	1.00	49.83
24993	0	HOH	W	832	-73.968	-11.280	65.674	1.00	28.56
24994	0	HOH	W	833	-42.493	-11.248	66.170	1.00	40.32
24995	0	HOH	W	834	-96.113	-9.205	61.778	1.00	46.43
24996	0	HOH	W	835	-65.152	-23.619	25.368	1.00	34.26
24997	0	HOH	W	836	-39.194	-23.222	4.776	1.00	55.34
24998	0	HOH	W	837	-36.238	2.699	9.340	1.00	62.31
24999	0	HOH	W	838	-87.425	10.700	68.799	1.00	50.27
25000	0	HOH	W	839	-66.256	2.049	96.807	1.00	35.47
25001	0	HOH	W	840	-89.474	-22.916	65.158	1.00	45.39
25002	0	HOH	W	841	-27.948	6.269	81.342	1.00	43.67
25003	0	HOH	W	842	-67.887	18.469	72.523	1.00	31.79
25004	0	HOH	W	843	-120.465	7.696	45.684	1.00	38.52
25005	0	HOH	W	844	-71.060	-29.982	95.335	1.00	34.81
25006	0	HOH	W	845	-44.934	-9.421	59.671	1.00	50.92
25007	0	HOH	W	846	-136.026	-17.992	47.402	1.00	44.99
25008	0	HOH	W	847	-107.725	-11.728	40.368	1.00	34.40
25009	0	HOH	W	848	-83.287	2.905	48.594	1.00	47.83
25010	0	HOH	W	849	-95.896	-8.203	11.164	1.00	46.14
25011	0	HOH		850	-54.155	0.876	-7.757	1.00	53.90
25012	0	HOH	W	851	-9.851	-32.699	93.749	1.00	51.16
25013	0	HOH	W	852	-104.348	12.704	99.534	1.00	63.26
25014	0	HOH	W	853	-87.422	-4.549	113.517	1.00	48.99
25015	0	HOH		854	-2.158	-6.450	64.851	1.00	64.74
25016	0	HOH		855	-18.363	6.447	83.250	1.00	46.03
25017	0	HOH		856	-7.083	21.878	86.321	1.00	52.99
25018	0	HOH		857	-141.370	-13.344	38.226	1.00	47.02
25019	0		W	858	-18.676	23.769	88.306	1.00	36.60
25020	0	HOH		859	-3.232	-4.531	62.613	1.00	53.78
25021	0	HOH		860	-57.543	18.385	78.029	1.00	64.06
25022	0	HOH		861	-107.309	16.795	22.170	1.00	48.15
25023	0	HOH		862	-87.861	16.821	79.674	1.00	41.12
25024	0	HOH		863	-85.693	-7.204	77.392	1.00	33.57
25025	0	HOH		864	-62.946	10.907	53.948	1.00	46.59
25026	0	HOH		865	-36.828	-32.372	89.420	1.00	59.66
25027	0	НОН		866	-130.269	-31.081	42.575	1.00	58.44
25028	0	HOH		867	-84.428	-28.018	97.755	1.00	45.22
25029	0		W	868	-96.603	-15.449	95.970	1.00	50.05
25030	0	НОН		869	-84.309	-3.507	53.654	1.00	52.40
25031	0	HOH	W	870	-85.488	-9.485	79.996	1.00	34.93

FIGURE 3 RW

A	В	C	D	E	F		G	H	I	J
05000										c= 0.1
25032 25033	0	HOH			-14.2	31 -18	.888	83.212 12.114		65.94 57.29
25033	0	HOH				23 -21		68.143		40.01
25034	0	HOH			-13.32		.552	86.509		46.17
25036	0	HOH			-102.5		.776	36.735		35.79
25037	0	HOH			-21.0		.921	96.471		41.55
25038	Ö	НОН			-54.98			41.222		51.79
25039	ŏ	НОН				13 -24		68.610		38.41
25040	ō	НОН			-11.88			84.504		40.57
25041	0	HOH	W	880	-65.88	36 -14	.938	26.150	1.00	39.74
25042	0	HOH	W	881	-43.4	45 -13	.300	94.973	1.00	47.16
25043	0	HOH	W	882	-86.5	75 3	.908	39.235	1.00	35.06
25044	0	HOH	W	883	-42.93			101.664		46.33
25045	0	HOH			-102.86		.225	59.670		63.42
25046	0	HOH			-37.62		.775	64.018		42.56
25047	0	HOH		886	-123.00		.627	56.211		44.90
25048	0	HOH						101.376		45.20
25049	0	HOH		888	-8.86		.234	91.644		38.30
25050	0	НОН			-123.76			38.390		46.84
25051	0	НОН			-103.15		.399	72.982		46.81
25052	0	НОН			-105.7		.631	20.611		66.24
25053	0	HOH			-24.02		.502	65.466		46.04
25054 25055	0	HOH			-28.28 -25.89		.488	113.000 91.394		45.11 37.86
25056	0	HOH			-25.89		.369	33.493		57.61
25057	0	HOH			-22.7		.824	76.835		44.17
25058	0	НОН		897	-48.56			89.549		35.12
25059	ő	НОН		898	-63.4			11.755		40.72
25060	Ö	НОН			-30.6		.637	80.113		48.97
25061	ŏ	НОН			-25.24		.993	98.133		36.36
25062	ō	нон						100.703		48.87
25063	0	HOH	W	902	-93.58			61.052		58.57
25064	0	HOH	W	903	-97.7	56 16	.026	29.825	1.00	48.85
25065	0	HOH	W	904	-20.13	15 -3	.404	74.768	1.00	44.90
25066	0	HOH	W	905	-15.0	16 18	.829	99.081	1.00	58.91
25067	0	HOH			-91.43			38.390		39.28
25068	0	HOH			-85.16			38.252		60.78
25069	0	HOH			-31.52		.665	31.472		60.01
25070	0	HOH			-77.25			49.080		41.20
25071	0	НОН			-70.00		.960			54.43
25072	0	HOH			-70.49		.623	116.492		44.56
25073	0	HOH			-72.33			119.566		52.72
25074	0	HOH			-67.5		.642			53.27
25075 25076	0	HOH			-102.33 -97.90		.937	12.816 14.950		56.03 44.18
25076	0	HOH			-110.80		.471	46.849		72.10

REPLACEMENT SHEET 10/659,055

FIGURE 3 RX

	A	В	С	D	E	F	G	H	I	J
2	5078	0	нон	W	917	-38.511	-5.038	127.327	1.00	64.38
	5079				918			-2.899		
2	5080	0	HOH	W	919	7.037	-20.430	68.754	1.00	55.24
2	5081	0	HOH	W	920	-110.374	13.235	102.576	1.00	57.48
2	5082	0	HOH	W	921	-107.848	12.664	99.863	1.00	52.86
2	5083	0	HOH	W	922	-105.429	10.964	104.942	1.00	64.95
2	5084	0	HOH	W	923	-107.566	15.872	103.930	1.00	49.98